Berliner Astronomisches Jahrbuch

für

1 9 3 4

159. Jahrgang

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Astronomischen Rechen-Institut





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Vorwort

Vom Jahrgang 1916 an ist der fundamentale Meridian, auf den alle Angaben des Jahrbuchs bezogen sind, der Meridian von Greenwich.

Die Zeit ist vom Jahrgang 1925 an in Welt-Zeit, d. i. Bürgerliche Zeit Greenwich, ausgedrückt (siehe Erläuterungen).

Die Grundlagen des Berliner Astronomischen Jahrbuchs bilden:

Für die Sonne und die großen Planeten:

Die Tafeln von Newcomb und (für Jupiter und Saturn) von Hill, enthalten in:

Astronomical Papers of the American Ephemeris,
Vol. VI, Part I—IV: *Tables of the four inner planets*,
Vol. VII, Part I—IV: *Tables of Jupiter, Saturn, Uranus, Neptune.*

Als Sonnenhalbmesser in der mittleren Entfernung ist 16′ 1″.50 angenommen; dagegen liegt der Berechnung der Finsternisse der von Auwers in A. N., Bd. 128 gegebene Wert 15′ 59″.63 zugrunde.

Für den Mond:

Tables of the Motion of the Moon by Ernest W. Brown.

Der geozentrische Mondhalbmesser $r_{☾}$ ist aus der Äquatorial-Horizontalparallaxe $p_{☾}$ gerechnet nach der Formel

$$r_{☾} = 0.272469\, p_{☾} + 1''.50,$$

für die Finsternisse nach $\sin r_{☾} = 0.272274 \sin p_{☾}$.

Als Neigung des Mondäquators gegen die Ekliptik ist nach F. Hayn (A. N. Bd. 199, 263) angenommen: $J = 1^\circ\, 32'\, 20''$.

Für die Fixsterne:

Neuer Fundamentalkatalog des Berliner Astronomischen Jahrbuchs nach den Grundlagen von A. Auwers, für die Epochen 1875 und 1900 bearbeitet von Dr. J. Peters (Veröffentlichung Nr. 33 des Königlichen Astronomischen Rechen-Instituts).

Die Sterngrößen sind der »Revised Harvard Photometry (Harvard Annals, vol. 50)«, die Sternspektra dem »Henry Draper Catalogue (Harvard Annals, vol. 91—99)« entnommen.

Als Werte der fundamentalen Reduktionsgrößen sind angenommen:

Die Präzessions-Größen nach S. Newcomb (vgl. H. Andoyer, Bull. Astr. **28,** 67)
Die Nutations-Konstante . . . . . 9″21
Die Nutations-Größen nach S. Newcomb (Bull. Astr. **15,** 241)
Die Aberrations-Konstante . . . . 20″47
Die Sonnen-Parallaxe . . . . 8″80
Die Abplattung der Erde . . . . 1 : 297.0

Für die Satelliten:

Die Angaben über die 4 älteren Jupitertrabanten beruhen auf den neuen Tafeln von R. A. Sampson (*Tables of the four great Satellites of Jupiter.* London 1910), die Angaben über die 8 älteren Saturnsatelliten auf den von H. Struve ermittelten Werten (Näheres s. Erläuterungen).

In allen Ephemeriden der Sonne, der Planeten und der Fixsterne sind die kurzperiodischen, von der Mondlänge abhängigen Nutationsglieder weggelassen; doch bietet das Jahrbuch die Möglichkeit, auch diese weggelassenen Glieder zu berücksichtigen (s. Erläuterungen).

Der Inhalt des Jahrbuches hat gegen das Vorjahr keine Änderungen erfahren.

Bezüglich der Zahlengrundlagen sei auf die im Berliner Jahrbuch für 1916 gegebene Darstellung der »Grundbegriffe der Sphärischen Astronomie« hingewiesen.

Ein Teil der Angaben wurde seitens der American Ephemeris and Nautical Almanac, Washington, des Nautical Almanac Office, London, und des Bureau des Longitudes, Paris, zur Verfügung gestellt.

Die Schriftleitung des Astronomischen Jahrbuchs für 1934 lag in den Händen von Herrn Dr. Kohl; an den verschiedenen Arbeiten beteiligten sich außerdem die Herren Dr. Heinemann und Dr. Gondolatsch sowie mehrere Hilfsarbeiter.

Astronomisches Rechen-Institut.

Inhalt

Zeit- und Festrechnung 1934

Das Jahr 1934 entspricht dem
Jahr 6647 der Julianischen Periode und dem
Jahr 7442—7443 der Byzantinischen Ära.

Gregorianischer Kalender

Goldene Zahl	16
Epakte	XIV
Sonnenzirkel	11
Sonntagsbuchstabe	G

Septuagesima	28. Jan.
Aschermittwoch	14. Febr.
I. Quatember	21. Febr.
Ostersonntag	1. April
Himmelfahrt	10. Mai
Pfingstsonntag	20. Mai
II. Quatember	23. Mai
III. Quatember	19. Sept.
I. Advent	2. Dez.
IV. Quatember	19. Dez.

Kalender der Mohammedaner

1352 (Schaltjahr von 355 Tagen)

Schewwâl	1	1934	Jan.	17
Dsû'l-kade	1	»	Febr.	15
Dsû'l-hedsche	1	»	März	17

1353 (Gemeinjahr von 354 Tagen)

Moharrem	1	1934	April	16
Safar	1	»	Mai	16
Rebî-el-awwel	1	»	Juni	14
Rebî-el-accher	1	»	Juli	14
Dschemâdi-el-awwel	1	»	Aug.	12
Dschemâdi-el-accher	1	»	Sept.	11
Redscheb	1	»	Okt.	10
Schabân	1	»	Nov.	9
Ramadân	1	»	Dez.	8

Kalender der Juden

5694 (Gemeinjahr von 354 Tagen)

Schebat	1	. . . .	1934	Jan.	17
Adar	1	. . . .	»	Febr.	16
»	13	Fasten-Esther	»	»	28
»	14	Purim	»	März	1
»	15	Schuschan-Purim	»	»	2
Nisan	1	. . . .	»	»	17
»	15	*Passah-Anfang	»	»	31
»	16	*Zweites Fest	»	April	1
»	21	*Siebentes Fest	»	»	6
»	22	*Achtes Fest	»	»	7
Ijar	1	. . . .	»	»	16
»	18	Lag-B'omer	»	Mai	3
Sivan	1	. . . .	»	»	15
»	6	*Wochenfest	»	»	20
»	7	*Zweites Fest	»	»	21
Thamuz	1	. . . .	»	Juni	14
»	18	Fasten. Eroberung Jerusalems .	»	Juli	1
Ab	1	. . . .	»	»	13
»	10	Fasten. Tempelverbrennung .	»	»	22
Elul	1	. . . .	»	Aug.	12

5695 (Mangelhaftes Schaltjahr von 383 Tagen)

Tischri	1	*Neujahrsfest	1934	Sept.	10
»	2	*Zweites Fest	»	»	11
»	3	Fasten-Gedaljah	»	»	12
»	10	*Versöhnungsfest	»	»	19
»	15	*Laubhüttenfest	»	»	24
»	16	*Zweites Fest	»	»	25
»	21	Palmenfest	»	»	30
»	22	*Laubhüttenende	»	Okt.	1
»	23	*Gesetzesfreude	»	»	2
Marcheschwan	1	. . . .	»	»	10
Kislev	1	. . . .	»	Nov.	8
»	25	Tempelweihe	»	Dez.	2
Tebet	1	. . . .	»	»	7
»	10	Fasten. Belagerung Jerusalems	»	»	16

Die mit * bezeichneten Festtage werden streng gefeiert.

Astronomische Zeichen und Abkürzungen

Bezeichnung der Wochentage

☉ Sonntag
☾ Montag
♂ Dienstag
☿ Mittwoch
♃ Donnerstag
♀ Freitag
♄ Sonnabend

Adspekten

☌ Konjunktion
□ Quadratur
☍ Opposition

Mondphasen

● Neumond
☽ Erstes Viertel
○ Vollmond
☾ Letztes Viertel

☊ Aufsteigender } Knoten
☋ Absteigender } Knoten

Zeichen

des Tierkreises und der Himmelskörper

♈ Widder . . .	0	Grad	
♉ Stier	30	»	☉ Sonne
♊ Zwillinge . . .	60	»	☾ Mond
♋ Krebs	90	»	☿ Merkur
♌ Löwe	120	»	♀ Venus
♍ Jungfrau . . .	150	»	♁ Erde
♎ Waage . . .	180	»	♂ Mars
♏ Skorpion . . .	210	»	♃ Jupiter
♐ Schütze . . .	240	»	♄ Saturn
♑ Steinbock . .	270	»	♅ Uranus
♒ Wassermann .	300	»	♆ Neptun
♓ Fische	330	»	

Sonne, Mond, Große Planeten

1934

Tag	Wochentag	Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
		0ʰ Welt-Zeit							
1934		m s	s	h m s	m s	° ′ ″	′ ″	s	′ ″
Jan. 0	St	+ 2 45.32	28.67	18 38 38.02	4 25.23	−23 9 9.2	4 18.7	71.11	16 17.86
1	Mo	3 13.99	28.39	18 43 3.25	4 24.94	23 4 50.5	4 46.4	71.08	16 17.88
2	Di	3 42.38	28.06	18 47 28.19	4 24.62	23 0 4.1	5 13.8	71.03	16 17.88
3	Mi	4 10.44	27.71	18 51 52.81	4 24.27	22 54 50.3	5 41.1	70.99	16 17.88
4	Do	4 38.15	27.33	18 56 17.08	4 23.90	22 49 9.2	6 8.4	70.94	16 17.87
5	Fr	5 5.48	26.94	19 0 40.98	4 23.49	22 43 0.8	6 35.4	70.88	16 17.86
6	Sa	+ 5 32.42	26.51	19 5 4.47	4 23.07	−22 36 25.4	7 2.3	70.82	16 17.84
7	St	5 58.93	26.05	19 9 27.54	4 22.61	22 29 23.1	7 28.9	70.76	16 17.82
8	Mo	6 24.98	25.58	19 13 50.15	4 22.14	22 21 54.2	7 55.4	70.70	16 17.79
9	Di	6 50.56	25.07	19 18 12.29	4 21.63	22 13 58.8	8 21.6	70.63	16 17.75
10	Mi	7 15.63	24.55	19 22 33.92	4 21.11	22 5 37.2	8 47.6	70.55	16 17.71
11	Do	7 40.18	23.99	19 26 55.03	4 20.55	21 56 49.6	9 13.4	70.48	16 17.66
12	Fr	+ 8 4.17	23.42	19 31 15.58	4 19.97	−21 47 36.2	9 38.9	70.40	16 17.61
13	Sa	8 27.59	22.81	19 35 35.55	4 19.37	21 37 57.3	10 4.0	70.31	16 17.56
14	St	8 50.40	22.18	19 39 54.92	4 18.74	21 27 53.3	10 29.0	70.23	16 17.50
15	Mo	9 12.58	21.52	19 44 13.66	4 18.08	21 17 24.3	10 53.6	70.14	16 17.44
16	Di	9 34.10	20.85	19 48 31.74	4 17.40	21 6 30.7	11 17.8	70.05	16 17.38
17	Mi	9 54.95	20.14	19 52 49.14	4 16.70	20 55 12.9	11 41.7	69.95	16 17.31
18	Do	+10 15.09	19.42	19 57 5.84	4 15.98	−20 43 31.2	12 5.3	69.86	16 17.24
19	Fr	10 34.51	18.68	20 1 21.82	4 15.23	20 31 25.9	12 28.6	69.76	16 17.16
20	Sa	10 53.19	17.91	20 5 37.05	4 14.48	20 18 57.3	12 51.4	69.66	16 17.09
21	St	11 11.10	17.15	20 9 51.53	4 13.70	20 6 5.9	13 13.8	69.56	16 17.00
22	Mo	11 28.25	16.36	20 14 5.23	4 12.92	19 52 52.1	13 36.0	69.46	16 16.92
23	Di	11 44.61	15.57	20 18 18.15	4 12.13	19 39 16.1	13 57.8	69.35	16 16.83
24	Mi	+12 0.18	14.76	20 22 30.28	4 11.32	−19 25 18.3	14 19.3	69.25	16 16.73
25	Do	12 14.94	13.96	20 26 41.60	4 10.51	19 10 59.0	14 40.2	69.14	16 16.63
26	Fr	12 28.90	13.15	20 30 52.11	4 9.71	18 56 18.8	15 0.9	69.03	16 16.52
27	Sa	12 42.05	12.32	20 35 1.82	4 8.88	18 41 17.9	15 21.2	68.91	16 16.41
28	St	12 54.37	11.51	20 39 10.70	4 8.07	18 25 56.7	15 41.1	68.80	16 16.29
29	Mo	13 5.88	10.69	20 43 18.77	4 7.24	18 10 15.6	16 0.6	68.69	16 16.17
30	Di	+13 16.57	9.87	20 47 26.01	4 6.43	−17 54 15.0	16 19.8	68.58	16 16.04
31	Mi	13 26.44	9.05	20 51 32.44	4 5.61	17 37 55.2	16 38.6	68.46	16 15.90
Febr. 1	Do	13 35.49	8.24	20 55 38.05	4 4.79	17 21 16.6	16 57.0	68.35	16 15.76
2	Fr	13 43.73	7.42	20 59 42.84	4 3.98	17 4 19.6	17 15.0	68.23	16 15.62
3	Sa	13 51.15	6.62	21 3 46.82	4 3.18	16 47 4.6	17 32.6	68.11	16 15.47
4	St	13 57.77	5.82	21 7 50.00	4 2.37	16 29 32.0	17 49.9	68.00	16 15.31
5	Mo	+14 3.59	5.02	21 11 52.37	4 1.57	−16 11 42.1	18 6.7	67.88	16 15.15
6	Di	14 8.61	4.23	21 15 53.94	4 0.79	15 53 35.4	18 23.2	67.77	16 14.98
7	Mi	14 12.84	3.44	21 19 54.73	4 0.00	15 35 12.2	18 39.3	67.66	16 14.81
8	Do	14 16.28	2.66	21 23 54.73	3 59.22	15 16 32.9	18 54.9	67.54	16 14.64
9	Fr	14 18.94	1.89	21 27 53.95	3 58.44	14 57 38.0	19 10.2	67.43	16 14.46
10	Sa	+14 20.83		21 31 52.39		−14 38 27.8		67.32	16 14.28

Tag	Julian. Zeit	Sternzeit	Nutation in AR. langp. Gl.	Nutation in AR. kurzp. Gl.	0h Welt-Zeit Mittleres Äquinoktium 1934.0 Länge		Breite	log R		Aufgang in +50° Breite, 0h Länge	Untergang in +50° Breite, 0h Länge
1934	2427	h m s	in 0.001 s		° ' "	' "	in 0."01			h m	h m
Jan. 0	437.5	6 35 52.704	+666	+ 2	278 52 36.5	61 7.9	+ 9	9.992 6713	53	7 59	16 7
1	438.5	6 39 49.263	670	+ 6	279 53 44.4	61 8.1	0	9.992 6660	25	7 59	16 8
2	439.5	6 43 45.822	672	+ 9	280 54 52.5	61 8.1	−11	9.992 6635	$\bar{3}$	7 59	16 9
3	440.5	6 47 42.380	676	+11	281 56 0.6	61 8.2	−23	9.992 6638	30	7 59	16 10
4	441.5	6 51 38.938	679	+10	282 57 8.8	61 8.3	−36	9.992 6668	58	7 58	16 12
5	442.5	6 55 35.497	683	+ 7	283 58 17.1	61 8.5	−48	9.992 6726	84	7 58	16 13
6	443.5	6 59 32.056	+686	+ 2	284 59 25.6	61 8.5	−59	9.992 6810	110	7 58	16 14
7	444.5	7 3 28.614	689	− 4	286 0 34.1	61 8.6	−70	9.992 6920	134	7 58	16 15
8	445.5	7 7 25.172	693	−10	287 1 42.7	61 8.8	−79	9.992 7054	159	7 57	16 16
9	446.5	7 11 21.730	696	−16	288 2 51.5	61 8.7	−86	9.992 7213	180	7 57	16 18
10	447.5	7 15 18.289	699	−19	289 4 0.2	61 8.8	−91	9.992 7393	202	7 56	16 19
11	448.5	7 19 14.847	702	−18	290 5 9.0	61 8.8	−92	9.992 7595	221	7 56	16 20
12	449.5	7 23 11.406	+705	−14	291 6 17.8	61 8.7	−90	9.992 7816	238	7 55	16 21
13	450.5	7 27 7.964	708	− 7	292 7 26.5	61 8.5	−84	9.992 8054	255	7 55	16 23
14	451.5	7 31 4.522	711	+ 1	293 8 35.0	61 8.2	−75	9.992 8309	271	7 54	16 24
15	452.5	7 35 1.080	713	+ 9	294 9 43.2	61 7.7	−64	9.992 8580	286	7 54	16 26
16	453.5	7 38 57.638	716	+15	295 10 50.9	61 7.3	−50	9.992 8866	300	7 53	16 27
17	454.5	7 42 54.196	719	+17	296 11 58.2	61 6.6	−36	9.992 9166	316	7 52	16 29
18	455.5	7 46 50.754	+721	+16	297 13 4.8	61 5.8	−22	9.992 9482	332	7 51	16 30
19	456.5	7 50 47.312	724	+12	298 14 10.6	61 5.0	− 8	9.992 9814	349	7 50	16 32
20	457.5	7 54 43.870	726	+ 6	299 15 15.6	61 4.1	+ 4	9.993 0163	367	7 49	16 33
21	458.5	7 58 40.428	729	− 1	300 16 19.7	61 3.1	+15	9.993 0530	387	7 48	16 35
22	459.5	8 2 36.985	731	− 6	301 17 22.8	61 2.1	+22	9.993 0917	407	7 47	16 37
23	460.5	8 6 33.543	733	− 9	302 18 24.9	61 1.0	+27	9.993 1324	429	7 46	16 38
24	461.5	8 10 30.100	+735	− 9	303 19 25.9	61 0.1	+30	9.993 1753	451	7 45	16 40
25	462.5	8 14 26.657	737	− 7	304 20 26.0	60 58.9	+29	9.993 2204	475	7 44	16 41
26	463.5	8 18 23.215	739	− 4	305 21 24.9	60 57.9	+25	9.993 2679	499	7 43	16 43
27	464.5	8 22 19.772	740	+ 1	306 22 22.8	60 56.9	+19	9.993 3178	523	7 42	16 45
28	465.5	8 26 16.329	742	+ 6	307 23 19.7	60 55.8	+11	9.993 3701	548	7 40	16 46
29	466.5	8 30 12.886	744	+ 9	308 24 15.5	60 54.7	+ 1	9.993 4249	573	7 39	16 48
30	467.5	8 34 9.443	+745	+11	309 25 10.2	60 53.8	−11	9.993 4822	598	7 37	16 49
31	468.5	8 38 5.999	747	+11	310 26 4.0	60 52.7	−23	9.993 5420	623	7 36	16 51
Febr. 1	469.5	8 42 2.556	748	+ 9	311 26 56.7	60 51.7	−35	9.993 6043	648	7 35	16 53
2	470.5	8 45 59.112	749	+ 5	312 27 48.4	60 50.8	−48	9.993 6691	673	7 33	16 55
3	471.5	8 49 55.669	750	− 1	313 28 39.2	60 49.8	−61	9.993 7364	696	7 32	16 56
4	472.5	8 53 52.225	751	− 8	314 29 29.0	60 48.9	−71	9.993 8060	718	7 30	16 58
5	473.5	8 57 48.781	+752	−14	315 30 17.9	60 47.9	−79	9.993 8778	740	7 29	17 0
6	474.5	9 1 45.338	753	−18	316 31 5.8	60 47.0	−84	9.993 9518	760	7 27	17 2
7	475.5	9 5 41.894	753	−19	317 31 52.8	60 46.1	−86	9.994 0278	779	7 26	17 3
8	476.5	9 9 38.449	754	−16	318 32 38.9	60 45.1	−85	9.994 1057	795	7 24	17 5
9	477.5	9 13 35.005	754	−10	319 33 24.0	60 44.2	−80	9.994 1852	810	7 23	17 6
10	478.5	9 17 31.561	+755	− 2	320 34 8.2		−73	9.994 2662		7 21	17 8

Sonne 1934

Tag	Wochentag	0h Welt-Zeit							
		Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
1934		m s	s	h m s	m s	° ′ ″	′ ″	s	′ ″
Febr. 10	Sa	+14 20.83	1.13	21 31 52.39	3 57.68	−14 38 27.8	19 24.9	67.32	16 14.28
11	St	14 21.96	0.36	21 35 50.07	3 56.92	14 19 2.9	19 39.4	67.21	16 14.09
12	Mo	14 22.32	0.40	21 39 46.99	3 56.16	13 59 23.5	19 53.2	67.10	16 13.91
13	Di	14 21.92	1.15	21 43 43.15	3 55.40	13 39 30.3	20 6.8	66.99	16 13.72
14	Mi	14 20.77	1.90	21 47 38.55	3 54.66	13 19 23.5	20 19.7	66.88	16 13.52
15	Do	14 18.87	2.64	21 51 33.21	3 53.91	12 59 3.8	20 32.4	66.77	16 13.33
16	Fr	+14 16.23	3.37	21 55 27.12	3 53.18	−12 38 31.4	20 44.5	66.67	16 13.14
17	Sa	14 12.86	4.10	21 59 20.30	3 52.46	12 17 46.9	20 56.2	66.56	16 12.94
18	St	14 8.76	4.81	22 3 12.76	3 51.74	11 56 50.7	21 7.4	66.46	16 12.74
19	Mo	14 3.95	5.52	22 7 4.50	3 51.05	11 35 43.3	21 18.3	66.36	16 12.53
20	Di	13 58.43	6.20	22 10 55.55	3 50.35	11 14 25.0	21 28.6	66.26	16 12.33
21	Mi	13 52.23	6.87	22 14 45.90	3 49.68	10 52 56.4	21 38.7	66.16	16 12.12
22	Do	+13 45.36	7.54	22 18 35.58	3 49.02	−10 31 17.7	21 48.3	66.07	16 11.91
23	Fr	13 37.82	8.17	22 22 24.60	3 48.38	10 9 29.4	21 57.4	65.98	16 11.69
24	Sa	13 29.65	8.80	22 26 12.98	3 47.76	9 47 32.0	22 6.3	65.89	16 11.48
25	St	13 20.85	9.40	22 30 0.74	3 47.15	9 25 25.7	22 14.7	65.80	16 11.25
26	Mo	13 11.45	9.99	22 33 47.89	3 46.56	9 3 11.0	22 22.7	65.72	16 11.03
27	Di	13 1.46	10.56	22 37 34.45	3 46.00	8 40 48.3	22 30.3	65.63	16 10.80
28	Mi	+12 50.90	11.10	22 41 20.45	3 45.45	− 8 18 18.0	22 37.5	65.55	16 10.57
März 1	Do	12 39.80	11.64	22 45 5.90	3 44.92	7 55 40.5	22 44.5	65.47	16 10.33
2	Fr	12 28.16	12.13	22 48 50.82	3 44.42	7 32 56.0	22 51.0	65.40	16 10.09
3	Sa	12 16.03	12.62	22 52 35.24	3 43.93	7 10 5.0	22 57.1	65.33	16 9.85
4	St	12 3.41	13.08	22 56 19.17	3 43.48	6 47 7.9	23 2.9	65.26	16 9.60
5	Mo	11 50.33	13.52	23 0 2.65	3 43.03	6 24 5.0	23 8.3	65.19	16 9.35
6	Di	+11 36.81	13.94	23 3 45.68	3 42.62	− 6 0 56.7	23 13.4	65.12	16 9.10
7	Mi	11 22.87	14.33	23 7 28.30	3 42.22	5 37 43.3	23 18.1	65.06	16 8.84
8	Do	11 8.54	14.71	23 11 10.52	3 41.85	5 14 25.2	23 22.4	65.00	16 8.58
9	Fr	10 53.83	15.06	23 14 52.37	3 41.49	4 51 2.8	23 26.3	64.95	16 8.32
10	Sa	10 38.77	15.39	23 18 33.86	3 41.16	4 27 36.5	23 29.8	64.89	16 8.05
11	St	10 23.38	15.72	23 22 15.02	3 40.84	4 4 6.7	23 33.0	64.84	16 7.79
12	Mo	+10 7.66	16.01	23 25 55.86	3 40.54	− 3 40 33.7	23 35.7	64.79	16 7.52
13	Di	9 51.65	16.29	23 29 36.40	3 40.26	3 16 58.0	23 38.0	64.75	16 7.26
14	Mi	9 35.36	16.56	23 33 16.66	3 39.99	2 53 20.0	23 39.9	64.71	16 6.99
15	Do	9 18.80	16.81	23 36 56.65	3 39.74	2 29 40.1	23 41.5	64.67	16 6.72
16	Fr	9 1.99	17.05	23 40 36.39	3 39.51	2 5 58.6	23 42.6	64.63	16 6.46
17	Sa	8 44.94	17.26	23 44 15.90	3 39.29	1 42 16.0	23 43.2	64.60	16 6.19
18	St	+ 8 27.68	17.46	23 47 55.19	3 39.09	− 1 18 32.8	23 43.6	64.57	16 5.93
19	Mo	8 10.22	17.65	23 51 34.28	3 38.91	0 54 49.2	23 43.5	64.54	16 5.66
20	Di	7 52.57	17.81	23 55 13.19	3 38.75	0 31 5.7	23 43.1	64.52	16 5.39
21	Mi	7 34.76	17.95	23 58 51.94	3 38.60	− 0 7 22.6	23 42.3	64.50	16 5.13
22	Do	7 16.81	18.08	0 2 30.54	3 38.47	+ 0 16 19.7	23 41.1	64.48	16 4.86
23	Fr	+ 6 58.73		0 6 9.01		+ 0 40 0.8		64.47	16 4.59

Tag	Julian. Zeit	Sternzeit	Nutation in AR. langp. Gl.	Nutation in AR. kurzp. Gl.	Mittleres Äquinoktium 1934.0 Länge		Breite	log R		Aufgang	Untergang
		0h Welt-Zeit								in +50° Breite 0h Länge	
1934	2427	h m s	in 0.001 s		° ′ ″	′ ″	in 0.01″			h m	h m
Febr. 10	478.5	9 17 31.561	+755	− 2	320 34 8.2	60 43.0	−73	9.994 2662	824	7 21	17 8
11	479.5	9 21 28.117	755	+ 6	321 34 51.2	60 41.9	−63	9.994 3486	836	7 19	17 10
12	480.5	9 25 24.672	755	+12	322 35 33.1	60 40.7	−50	9.994 4322	846	7 17	17 12
13	481.5	9 29 21.228	755	+16	323 36 13.8	60 39.4	−36	9.994 5168	856	7 16	17 13
14	482.5	9 33 17.783	755	+16	324 36 53.2	60 37.9	−22	9.994 6024	865	7 14	17 15
15	483.5	9 37 14.338	755	+12	325 37 31.1	60 36.4	− 8	9.994 6889	874	7 12	17 17
16	484.5	9 41 10.894	+755	+ 7	326 38 7.5	60 34.8	+ 5	9.994 7763	884	7 10	17 19
17	485.5	9 45 7.449	755	0	327 38 42.3	60 33.0	+16	9.994 8647	895	7 8	17 21
18	486.5	9 49 4.004	754	− 5	328 39 15.3	60 31.3	+24	9.994 9542	906	7 7	17 22
19	487.5	9 53 0.558	754	− 9	329 39 46.6	60 29.4	+31	9.995 0448	917	7 5	17 24
20	488.5	9 56 57.113	753	−10	330 40 16.0	60 27.6	+34	9.995 1365	931	7 3	17 26
21	489.5	10 0 53.668	753	− 8	331 40 43.6	60 25.7	+33	9.995 2296	945	7 1	17 28
22	490.5	10 4 50.223	+752	− 5	332 41 9.3	60 23.8	+29	9.995 3241	960	6 59	17 29
23	491.5	10 8 46.777	751	0	333 41 33.1	60 21.9	+23	9.995 4201	975	6 57	17 31
24	492.5	10 12 43.332	750	+ 4	334 41 55.0	60 19.9	+15	9.995 5176	990	6 55	17 32
25	493.5	10 16 39.886	749	+ 9	335 42 14.9	60 18.1	+ 6	9.995 6166	1007	6 53	17 34
26	494.5	10 20 36.440	748	+11	336 42 33.0	60 16.2	− 5	9.995 7173	1023	6 51	17 36
27	495.5	10 24 32.995	747	+12	337 42 49.2	60 14.4	−18	9.995 8196	1040	6 49	17 37
28	496.5	10 28 29.549	+746	+10	338 43 3.6	60 12.5	−31	9.995 9236	1057	6 47	17 39
März 1	497.5	10 32 26.103	745	+ 7	339 43 16.1	60 10.7	−44	9.996 0293	1075	6 45	17 40
2	498.5	10 36 22.657	744	+ 1	340 43 26.8	60 9.0	−56	9.996 1368	1091	6 43	17 42
3	499.5	10 40 19.211	742	− 5	341 43 35.8	60 7.2	−67	9.996 2459	1108	6 41	17 44
4	500.5	10 44 15.765	741	−11	342 43 43.0	60 5.5	−76	9.996 3567	1123	6 39	17 46
5	501.5	10 48 12.319	739	−16	343 43 48.5	60 4.0	−83	9.996 4690	1138	6 37	17 47
6	502.5	10 52 8.873	+738	−18	344 43 52.5	60 2.3	−86	9.996 5828	1152	6 35	17 49
7	503.5	10 56 5.427	736	−17	345 43 54.8	60 0.7	−86	9.996 6980	1163	6 33	17 51
8	504.5	11 0 1.980	735	−12	346 43 55.5	59 59.1	−83	9.996 8143	1173	6 31	17 53
9	505.5	11 3 58.534	733	− 4	347 43 54.6	59 57.5	−76	9.996 9316	1181	6 29	17 54
10	506.5	11 7 55.088	731	+ 4	348 43 52.1	59 56.0	−67	9.997 0497	1188	6 26	17 56
11	507.5	11 11 51.641	730	+10	349 43 48.1	59 54.3	−56	9.997 1685	1192	6 24	17 57
12	508.5	11 15 48.195	+728	+15	350 43 42.4	59 52.6	−43	9.997 2877	1195	6 22	17 59
13	509.5	11 19 44.748	726	+15	351 43 35.0	59 50.8	−31	9.997 4072	1197	6 20	18 1
14	510.5	11 23 41.302	724	+13	352 43 25.8	59 48.9	−18	9.997 5269	1198	6 18	18 2
15	511.5	11 27 37.855	722	+ 8	353 43 14.7	59 47.1	− 5	9.997 6467	1197	6 16	18 4
16	512.5	11 31 34.409	720	+ 1	354 43 1.8	59 45.0	+ 7	9.997 7664	1197	6 14	18 5
17	513.5	11 35 30.962	718	− 4	355 42 46.8	59 42.9	+16	9.997 8861	1197	6 12	18 7
18	514.5	11 39 27.516	+717	− 9	356 42 29.7	59 40.8	+22	9.998 0058	1197	6 10	18 9
19	515.5	11 43 24.069	715	−10	357 42 10.5	59 38.5	+25	9.998 1255	1198	6 8	18 10
20	516.5	11 47 20.623	713	− 9	358 41 49.0	59 36.3	+26	9.998 2453	1199	6 5	18 12
21	517.5	11 51 17.176	711	− 6	359 41 25.3	59 34.1	+23	9.998 3652	1202	6 3	18 13
22	518.5	11 55 13.729	709	− 2	0 40 59.4	59 31.8	+18	9.998 4854	1204	6 1	18 15
23	519.5	11 59 10.283	+707	+ 3	1 40 31.2		+11	9.998 6058		5 59	18 17

Tag	Wochentag	0h Welt-Zeit							
		Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
1934		m s	s	h m s	m s	° ′ ″	′ ″	s	′ ″
März 23	Fr	+6 58.73	18.18	0 6 9.01	3 38.37	+ 0 40 0.8	23 39.5	64.47	16 4.59
24	Sa	6 40.55	18.27	0 9 47.38	3 38.29	1 3 40.3	23 37.6	64.46	16 4.32
25	St	6 22.28	18.33	0 13 25.67	3 38.23	1 27 17.9	23 35.5	64.45	16 4.05
26	Mo	6 3.95	18.37	0 17 3.90	3 38.18	1 50 53.4	23 32.8	64.44	16 3.78
27	Di	5 45.58	18.39	0 20 42.08	3 38.16	2 14 26.2	23 30.0	64.44	16 3.51
28	Mi	5 27.19	18.39	0 24 20.24	3 38.17	2 37 56.2	23 26.7	64.44	16 3.24
29	Do	+5 8.80	18.36	0 27 58.41	3 38.18	+ 3 1 22.9	23 23.1	64.44	16 2.97
30	Fr	4 50.44	18.32	0 31 36.59	3 38.24	3 24 46.0	23 19.1	64.45	16 2.69
31	Sa	4 32.12	18.25	0 35 14.83	3 38.30	3 48 5.1	23 15.0	64.46	16 2.42
April 1	St	4 13.87	18.15	0 38 53.13	3 38.40	4 11 20.1	23 10.5	64.47	16 2.14
2	Mo	3 55.72	18.04	0 42 31.53	3 38.52	4 34 30.6	23 5.6	64.49	16 1.86
3	Di	3 37.68	17.90	0 46 10.05	3 38.65	4 57 36.2	23 0.4	64.51	16 1.58
4	Mi	+3 19.78	17.74	0 49 48.70	3 38.82	+ 5 20 36.6	22 54.8	64.53	16 1.30
5	Do	3 2.04	17.56	0 53 27.52	3 39.00	5 43 31.4	22 49.1	64.55	16 1.02
6	Fr	2 44.48	17.35	0 57 6.52	3 39.20	6 6 20.5	22 42.9	64.58	16 0.74
7	Sa	2 27.13	17.13	1 0 45.72	3 39.42	6 29 3.4	22 36.3	64.61	16 0.45
8	St	2 10.00	16.89	1 4 25.14	3 39.67	6 51 39.7	22 29.4	64.64	16 0.17
9	Mo	1 53.11	16.63	1 8 4.81	3 39.92	7 14 9.1	22 22.2	64.67	15 59.89
10	Di	+1 36.48	16.36	1 11 44.73	3 40.19	+ 7 36 31.3	22 14.6	64.71	15 59.61
11	Mi	1 20.12	16.07	1 15 24.92	3 40.48	7 58 45.9	22 6.7	64.75	15 59.33
12	Do	1 4.05	15.78	1 19 5.40	3 40.78	8 20 52.6	21 58.3	64.79	15 59.06
13	Fr	0 48.27	15.47	1 22 46.18	3 41.09	8 42 50.9	21 49.5	64.83	15 58.79
14	Sa	0 32.80	15.14	1 26 27.27	3 41.41	9 4 40.4	21 40.5	64.88	15 58.52
15	St	0 17.66	14.81	1 30 8.68	3 41.75	9 26 20.9	21 31.0	64.93	15 58.25
16	Mo	+0 2.85	14.45	1 33 50.43	3 42.09	+ 9 47 51.9	21 21.3	64.98	15 57.98
17	Di	−0 11.60	14.10	1 37 32.52	3 42.46	10 9 13.2	21 11.1	65.03	15 57.72
18	Mi	0 25.70	13.73	1 41 14.98	3 42.83	10 30 24.3	21 0.6	65.08	15 57.46
19	Do	0 39.43	13.34	1 44 57.81	3 43.21	10 51 24.9	20 49.8	65.14	15 57.20
20	Fr	0 52.77	12.95	1 48 41.02	3 43.60	11 12 14.7	20 38.7	65.20	15 56.94
21	Sa	1 5.72	12.54	1 52 24.62	3 44.02	11 32 53.4	20 27.1	65.26	15 56.69
22	St	−1 18.26	12.11	1 56 8.64	3 44.44	+11 53 20.5	20 15.3	65.33	15 56.43
23	Mo	1 30.37	11.68	1 59 53.08	3 44.88	12 13 35.8	20 3.2	65.39	15 56.18
24	Di	1 42.05	11.24	2 3 37.96	3 45.31	12 33 39.0	19 50.8	65.46	15 55.93
25	Mi	1 53.29	10.78	2 7 23.27	3 45.78	12 53 29.8	19 38.0	65.53	15 55.68
26	Do	2 4.07	10.30	2 11 9.05	3 46.25	13 13 7.8	19 24.9	65.60	15 55.44
27	Fr	2 14.37	9.83	2 14 55.30	3 46.73	13 32 32.7	19 11.5	65.67	15 55.19
28	Sa	−2 24.20	9.32	2 18 42.03	3 47.23	+13 51 44.2	18 57.9	65.74	15 54.94
29	St	2 33.52	8.82	2 22 29.26	3 47.74	14 10 42.1	18 43.9	65.82	15 54.70
30	Mo	2 42.34	8.29	2 26 17.00	3 48.27	14 29 26.0	18 29.6	65.89	15 54.46
Mai 1	Di	2 50.63	7.75	2 30 5.27	3 48.80	14 47 55.6	18 15.1	65.97	15 54.21
2	Mi	2 58.38	7.21	2 33 54.07	3 49.35	15 6 10.7	18 0.2	66.04	15 53.97
3	Do	−3 5.59		2 37 43.42		+15 24 10.9		66.12	15 53.73

Tag	0ʰ Welt-Zeit: Julian. Zeit	Sternzeit	Nutation in AR. langp. Gl.	Nutation in AR. kurzp. Gl.	Mittleres Äquinoktium 1934.0: Länge		Breite	log R		Auf-gang in {+50° Breite, 0ʰ Länge}	Unter-gang in {+50° Breite, 0ʰ Länge}
1934	2427	h m s	in 0ˢ.001		° ′ ″	′ ″	in 0″.01			h m	h m
März 23	519.5	11 59 10.283	+707	+ 3	1 40 31.2	59 29.4	+11	9.998 6058	1208	5 59	18 17
24	520.5	12 3 6.836	705	+ 7	2 40 0.6	59 27.2	+ 1	9.998 7266	1212	5 57	18 18
25	521.5	12 7 3.390	703	+10	3 39 27.8	59 25.0	−10	9.998 8478	1216	5 54	18 20
26	522.5	12 10 59.943	701	+12	4 38 52.8	59 22.6	−22	9.998 9694	1221	5 52	18 21
27	523.5	12 14 56.497	699	+11	5 38 15.4	59 20.4	−34	9.999 0915	1227	5 50	18 23
28	524.5	12 18 53.050	697	+ 8	6 37 35.8	59 18.2	−47	9.999 2142	1234	5 48	18 24
29	525.5	12 22 49.604	+695	+ 3	7 36 54.0	59 16.1	−60	9.999 3376	1240	5 46	18 26
30	526.5	12 26 46.157	694	− 3	8 36 10.1	59 13.9	−72	9.999 4616	1246	5 43	18 27
31	527.5	12 30 42.711	692	− 9	9 35 24.0	59 11.9	−81	9.999 5862	1253	5 41	18 29
April 1	528.5	12 34 39.264	690	−14	10 34 35.9	59 9.9	−88	9.999 7115	1260	5 39	18 30
2	529.5	12 38 35.818	688	−17	11 33 45.8	59 8.0	−92	9.999 8375	1265	5 37	18 32
3	530.5	12 42 32.371	686	−17	12 32 53.8	59 6.1	−94	9.999 9640	1269	5 35	18 33
4	531.5	12 46 28.925	+685	−13	13 31 59.9	59 4.4	−91	0.000 0909	1272	5 32	18 35
5	532.5	12 50 25.479	683	− 6	14 31 4.3	59 2.6	−86	0.000 2181	1274	5 30	18 36
6	533.5	12 54 22.033	681	+ 2	15 30 6.9	59 0.8	−78	0.000 3455	1274	5 28	18 38
7	534.5	12 58 18.586	680	+ 9	16 29 7.7	58 59.2	−67	0.000 4729	1271	5 26	18 40
8	535.5	13 2 15.140	678	+14	17 28 6.9	58 57.4	−55	0.000 6000	1268	5 24	18 41
9	536.5	13 6 11.694	677	+16	18 27 4.3	58 55.7	−42	0.000 7268	1262	5 21	18 43
10	537.5	13 10 8.248	+676	+14	19 26 0.0	58 54.0	−29	0.000 8530	1255	5 19	18 44
11	538.5	13 14 4.802	674	+ 9	20 24 54.0	58 52.1	−16	0.000 9785	1247	5 17	18 46
12	539.5	13 18 1.356	673	+ 3	21 23 46.1	58 50.2	− 4	0.001 1032	1237	5 15	18 48
13	540.5	13 21 57.910	672	− 3	22 22 36.3	58 48.4	+ 6	0.001 2269	1226	5 13	18 49
14	541.5	13 25 54.464	670	− 9	23 21 24.7	58 46.3	+12	0.001 3495	1216	5 11	18 51
15	542.5	13 29 51.019	669	−10	24 20 11.0	58 44.3	+16	0.001 4711	1205	5 9	18 52
16	543.5	13 33 47.573	+668	−10	25 18 55.3	58 42.2	+17	0.001 5916	1194	5 7	18 54
17	544.5	13 37 44.127	667	− 7	26 17 37.5	58 40.1	+16	0.001 7110	1185	5 5	18 56
18	545.5	13 41 40.682	666	− 4	27 16 17.6	58 38.0	+11	0.001 8295	1175	5 3	18 57
19	546.5	13 45 37.236	666	+ 1	28 14 55.6	58 35.8	+ 4	0.001 9470	1165	5 1	18 59
20	547.5	13 49 33.791	665	+ 6	29 13 31.4	58 33.7	− 4	0.002 0635	1158	4 59	19 0
21	548.5	13 53 30.346	664	+ 9	30 12 5.1	58 31.4	−14	0.002 1793	1149	4 57	19 2
22	549.5	13 57 26.900	+664	+12	31 10 36.5	58 29.4	−25	0.002 2942	1142	4 55	19 4
23	550.5	14 1 23.455	663	+11	32 9 5.9	58 27.2	−38	0.002 4084	1136	4 53	19 5
24	551.5	14 5 20.010	663	+ 9	33 7 33.1	58 25.0	−51	0.002 5220	1129	4 51	19 7
25	552.5	14 9 16.565	662	+ 4	34 5 58.1	58 23.0	−63	0.002 6349	1125	4 49	19 8
26	553.5	14 13 13.120	662	− 1	35 4 21.1	58 21.0	−74	0.002 7474	1120	4 47	19 10
27	554.5	14 17 9.675	662	− 7	36 2 42.1	58 18.9	−83	0.002 8594	1116	4 45	19 11
28	555.5	14 21 6.231	+662	−13	37 1 1.0	58 17.1	−90	0.002 9710	1113	4 43	19 13
29	556.5	14 25 2.786	662	−17	37 59 18.1	58 15.2	−95	0.003 0823	1110	4 42	19 14
30	557.5	14 28 59.341	662	−17	38 57 33.3	58 13.4	−97	0.003 1933	1106	4 40	19 16
Mai 1	558.5	14 32 55.897	662	−14	39 55 46.7	58 11.9	−94	0.003 3039	1102	4 38	19 17
2	559.5	14 36 52.452	662	− 8	40 53 58.6	58 10.2	−89	0.003 4141	1097	4 36	19 19
3	560.5	14 40 49.008	+662	0	41 52 8.8		−81	0.003 5238		4 34	19 20

Sonne 1934

Tag		Wochentag	0h Welt-Zeit: Zeitgleichung, Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
1934			m s	s	h m s	m s	° ' "	' "	s	' "
Mai	3	Do	−3 5.59	6.65	2 37 43.42	3 49.91	+15 24 10.9	17 45.0	66.12	15 53.73
	4	Fr	3 12.24	6.08	2 41 33.33	3 50.47	15 41 55.9	17 29.6	66.20	15 53.49
	5	Sa	3 18.32	5.50	2 45 23.80	3 51.06	15 59 25.5	17 13.8	66.28	15 53.25
	6	St	3 23.82	4.92	2 49 14.86	3 51.63	16 16 39.3	16 57.7	66.36	15 53.02
	7	Mo	3 28.74	4.34	2 53 6.49	3 52.22	16 33 37.0	16 41.2	66.45	15 52.78
	8	Di	3 33.08	3.74	2 56 58.71	3 52.81	16 50 18.2	16 24.5	66.53	15 52.55
	9	Mi	−3 36.82	3.16	3 0 51.52	3 53.40	+17 6 42.7	16 7.5	66.61	15 52.33
	10	Do	3 39.98	2.58	3 4 44.92	3 53.98	17 22 50.2	15 50.0	66.69	15 52.10
	11	Fr	3 42.56	1.98	3 8 38.90	3 54.57	17 38 40.2	15 32.4	66.77	15 51.88
	12	Sa	3 44.54	1.41	3 12 33.47	3 55.15	17 54 12.6	15 14.3	66.85	15 51.67
	13	St	3 45.95	0.83	3 16 28.62	3 55.73	18 9 26.9	14 56.0	66.94	15 51.46
	14	Mo	3 46.78	0.26	3 20 24.35	3 56.30	18 24 22.9	14 37.4	67.02	15 51.25
	15	Di	−3 47.04	0.31	3 24 20.65	3 56.86	+18 39 0.3	14 18.5	67.10	15 51.05
	16	Mi	3 46.73	0.87	3 28 17.51	3 57.43	18 53 18.8	13 59.2	67.18	15 50.85
	17	Do	3 45.86	1.42	3 32 14.94	3 57.98	19 7 18.0	13 39.8	67.26	15 50.65
	18	Fr	3 44.44	1.97	3 36 12.92	3 58.53	19 20 57.8	13 20.1	67.34	15 50.46
	19	Sa	3 42.47	2.51	3 40 11.45	3 59.06	19 34 17.9	13 0.1	67.42	15 50.28
	20	St	3 39.96	3.04	3 44 10.51	3 59.60	19 47 18.0	12 39.8	67.50	15 50.09
	21	Mo	−3 36.92	3.57	3 48 10.11	4 0.12	+19 59 57.8	12 19.2	67.58	15 49.92
	22	Di	3 33.35	4.08	3 52 10.23	4 0.64	20 12 17.0	11 58.6	67.65	15 49.74
	23	Mi	3 29.27	4.59	3 56 10.87	4 1.15	20 24 15.6	11 37.5	67.73	15 49.57
	24	Do	3 24.68	5.09	4 0 12.02	4 1.64	20 35 53.1	11 16.4	67.80	15 49.40
	25	Fr	3 19.59	5.57	4 4 13.66	4 2.13	20 47 9.5	10 54.9	67.87	15 49.23
	26	Sa	3 14.02	6.06	4 8 15.79	4 2.62	20 58 4.4	10 33.2	67.94	15 49.07
	27	St	−3 7.96	6.53	4 12 18.41	4 3.09	+21 8 37.6	10 11.4	68.01	15 48.91
	28	Mo	3 1.43	7.00	4 16 21.50	4 3.56	21 18 49.0	9 49.4	68.08	15 48.75
	29	Di	2 54.43	7.46	4 20 25.06	4 4.01	21 28 38.4	9 27.1	68.15	15 48.60
	30	Mi	2 46.97	7.91	4 24 29.07	4 4.47	21 38 5.5	9 4.7	68.21	15 48.44
	31	Do	2 39.06	8.35	4 28 33.54	4 4.91	21 47 10.2	8 42.0	68.27	15 48.29
Juni	1	Fr	2 30.71	8.78	4 32 38.45	4 5.34	21 55 52.2	8 19.3	68.33	15 48.15
	2	Sa	−2 21.93	9.20	4 36 43.79	4 5.75	+22 4 11.5	7 56.2	68.39	15 48.00
	3	St	2 12.73	9.60	4 40 49.54	4 6.16	22 12 7.7	7 33.0	68.44	15 47.86
	4	Mo	2 3.13	9.99	4 44 55.70	4 6.54	22 19 40.7	7 9.7	68.49	15 47.72
	5	Di	1 53.14	10.35	4 49 2.24	4 6.92	22 26 50.4	6 46.2	68.54	15 47.58
	6	Mi	1 42.79	10.71	4 53 9.16	4 7.26	22 33 36.6	6 22.5	68.59	15 47.45
	7	Do	1 32.08	11.03	4 57 16.42	4 7.59	22 39 59.1	5 58.6	68.64	15 47.32
	8	Fr	−1 21.05	11.34	5 1 24.01	4 7.90	+22 45 57.7	5 34.6	68.68	15 47.20
	9	Sa	1 9.71	11.62	5 5 31.91	4 8.18	22 51 32.3	5 10.5	68.72	15 47.09
	10	St	0 58.09	11.87	5 9 40.09	4 8.43	22 56 42.8	4 46.3	68.75	15 46.98
	11	Mo	0 46.22	12.11	5 13 48.52	4 8.66	23 1 29.1	4 22.0	68.78	15 46.87
	12	Di	0 34.11	12.31	5 17 57.18	4 8.87	23 5 51.1	3 57.6	68.81	15 46.77
	13	Mi	−0 21.80		5 22 6.05		+23 9 48.7		68.84	15 46.67

Tag	Julian. Zeit	Sternzeit	Nutation in AR. langp. Gl.	kurzp. Gl.	Mittleres Äquinoktium 1934.0 Länge		Breite	log *R*		Auf-gang (in +50° Breite, 0h Länge)	Unter-gang (in +50° Breite, 0h Länge)
1934	2427	h m s	in 0.001 s		° ′ ″		in 0.01″			h m	h m
Mai 3	560.5	14 40 49.008	+662	0	41 52 8.8	58′ 8.8″	−81	0.003 5238	1092	4 34	19 20
4	561.5	14 44 45.564	662	+ 7	42 50 17.6	58 7.3	−70	0.003 6330	1083	4 33	19 22
5	562.5	14 48 42.120	663	+13	43 48 24.9	58 6.0	−58	0.003 7413	1074	4 31	19 23
6	563.5	14 52 38.675	663	+17	44 46 30.9	58 4.5	−45	0.003 8487	1063	4 29	19 25
7	564.5	14 56 35.231	664	+16	45 44 35.4	58 3.3	−33	0.003 9550	1050	4 27	19 26
8	565.5	15 0 31.787	665	+12	46 42 38.7	58 1.9	−20	0.004 0600	1035	4 26	19 28
9	566.5	15 4 28.344	+666	+ 6	47 40 40.6	58 0.5	− 7	0.004 1635	1019	4 24	19 29
10	567.5	15 8 24.900	666	− 1	48 38 41.1	57 59.1	+ 2	0.004 2654	1002	4 23	19 31
11	568.5	15 12 21.456	667	− 7	49 36 40.2	57 57.8	+ 9	0.004 3656	984	4 21	19 32
12	569.5	15 16 18.013	669	−10	50 34 38.0	57 56.2	+14	0.004 4640	965	4 20	19 33
13	570.5	15 20 14.569	670	−11	51 32 34.2	57 54.8	+16	0.004 5605	945	4 18	19 35
14	571.5	15 24 11.126	671	− 9	52 30 29.0	57 53.2	+14	0.004 6550	927	4 17	19 36
15	572.5	15 28 7.682	+672	− 5	53 28 22.2	57 51.7	+10	0.004 7477	907	4 15	19 38
16	573.5	15 32 4.239	674	0	54 26 13.9	57 50.1	+ 3	0.004 8384	888	4 14	19 39
17	574.5	15 36 0.796	675	+ 5	55 24 4.0	57 48.5	− 5	0.004 9272	869	4 13	19 40
18	575.5	15 39 57.353	677	+ 9	56 21 52.5	57 46.9	−15	0.005 0141	851	4 11	19 42
19	576.5	15 43 53.910	678	+11	57 19 39.4	57 45.3	−26	0.005 0992	834	4 10	19 43
20	577.5	15 47 50.467	680	+11	58 17 24.7	57 43.7	−38	0.005 1826	817	4 8	19 45
21	578.5	15 51 47.024	+682	+ 9	59 15 8.4	57 42.1	−50	0.005 2643	801	4 7	19 46
22	579.5	15 55 43.581	683	+ 6	60 12 50.5	57 40.5	−62	0.005 3444	785	4 6	19 47
23	580.5	15 59 40.138	685	0	61 10 31.0	57 39.0	−73	0.005 4229	771	4 5	19 48
24	581.5	16 3 36.696	687	− 7	62 8 10.0	57 37.4	−82	0.005 5000	757	4 4	19 50
25	582.5	16 7 33.253	689	−12	63 5 47.4	57 36.0	−89	0.005 5757	745	4 3	19 51
26	583.5	16 11 29.811	691	−17	64 3 23.4	57 34.6	−93	0.005 6502	733	4 2	19 52
27	584.5	16 15 26.368	+694	−18	65 0 58.0	57 33.3	−94	0.005 7235	723	4 1	19 53
28	585.5	16 19 22.926	696	−16	65 58 31.3	57 32.1	−92	0 005 7958	712	4 0	19 54
29	586.5	16 23 19.483	698	−11	66 56 3.4	57 30.9	−87	0.005 8670	702	3 59	19 56
30	587.5	16 27 16.041	701	− 3	67 53 34.3	57 30.0	−80	0.005 9372	691	3 58	19 57
31	588.5	16 31 12.599	703	+ 5	68 51 4.3	57 29.1	−70	0.006 0063	679	3 57	19 58
Juni 1	589.5	16 35 9.157	705	+12	69 48 33.4	57 28.2	−58	0.006 0742	667	3 56	19 59
2	590.5	16 39 5.715	+708	+17	70 46 1.6	57 27.5	−44	0.006 1409	653	3 56	20 0
3	591.5	16 43 2.273	711	+17	71 43 29.1	57 26.8	−30	0.006 2062	637	3 55	20 1
4	592.5	16 46 58.831	713	+14	72 40 55.9	57 26.1	−17	0.006 2699	619	3 55	20 2
5	593.5	16 50 55.389	716	+ 9	73 38 22.0	57 25.5	− 5	0.006 3318	601	3 54	20 3
6	594.5	16 54 51.947	718	+ 2	74 35 47.5	57 25.0	+ 6	0.006 3919	581	3 53	20 4
7	595.5	16 58 48.505	721	− 4	75 33 12.5	57 24.3	+14	0.006 4500	558	3 53	20 5
8	596.5	17 2 45.063	+724	− 9	76 30 36.8	57 23.6	+19	0.006 5058	537	3 52	20 5
9	597.5	17 6 41.621	727	−10	77 28 0.4	57 23.0	+21	0.006 5595	512	3 50	20 6
10	598.5	17 10 38.179	730	− 9	78 25 23.4	57 22.4	+19	0.006 6107	489	3 51	20 7
11	599.5	17 14 34.738	733	− 6	79 22 45.8	57 21.7	+15	0.006 6596	464	3 51	20 8
12	600.5	17 18 31.296	736	− 1	80 20 7.5	57 20.9	+10	0.006 7060	440	3 51	20 8
13	601.5	17 22 27.854	+738	+ 4	81 17 28.4		+ 3	0.006 7500		3 50	20 9

0h Welt-Zeit

Tag	Wochentag	0h Welt-Zeit: Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
1934		m s	s	h m s	m s	° ′ ″	′ ″	s	′ ″
Juni 13	Mi	−0 21.80	12.49	5 22 6.05	4 9.05	+23 9 48.7	3 33.0	68.84	15 46.67
14	Do	−0 9.31	12.64	5 26 15.10	4 9.20	23 13 21.7	3 8.4	68.87	15 46.58
15	Fr	+0 3.33	12.77	5 30 24.30	4 9.33	23 16 30.1	2 43.8	68.89	15 46.50
16	Sa	0 16.10	12.88	5 34 33.63	4 9.43	23 19 13.9	2 19.1	68.90	15 46.42
17	St	0 28.98	12.95	5 38 43.06	4 9.51	23 21 33.0	1 54.3	68.92	15 46.34
18	Mo	0 41.93	13.00	5 42 52.57	4 9.56	23 23 27.3	1 29.6	68.93	15 46.27
19	Di	+0 54.93	13.03	5 47 2.13	4 9.59	+23 24 56.9	1 4.8	68.94	15 46.21
20	Mi	1 7.96	13.03	5 51 11.72	4 9.59	23 26 1.7	0 40.1	68.94	15 46.15
21	Do	1 20.99	13.01	5 55 21.31	4 9.57	23 26 41.8	0 15.2	68.94	15 46.09
22	Fr	1 34.00	12.96	5 59 30.88	4 9.52	23 26 57.0	0 9.5	68.94	15 46.04
23	Sa	1 46.96	12.89	6 3 40.40	4 9.45	23 26 47.5	0 34.3	68.93	15 45.99
24	St	1 59.85	12.80	6 7 49.85	4 9.36	23 26 13.2	0 59.0	68.92	15 45.95
25	Mo	+2 12.65	12.70	6 11 59.21	4 9.25	+23 25 14.2	1 23.7	68.91	15 45.91
26	Di	2 25.35	12.56	6 16 8.46	4 9.12	23 23 50.5	1 48.3	68.90	15 45.87
27	Mi	2 37.91	12.42	6 20 17.58	4 8.98	23 22 2.2	2 12.9	68.88	15 45.83
28	Do	2 50.33	12.27	6 24 26.56	4 8.82	23 19 49.3	2 37.5	68.86	15 45.80
29	Fr	3 2.60	12.08	6 28 35.38	4 8.64	23 17 11.8	3 2.0	68.83	15 45.77
30	Sa	3 14.68	11.88	6 32 44.02	4 8.45	23 14 9.8	3 26.5	68.81	15 45.75
Juli 1	St	+3 26.56	11.67	6 36 52.47	4 8.23	+23 10 43.3	3 50.7	68.78	15 45.72
2	Mo	3 38.23	11.44	6 41 0.70	4 7.99	23 6 52.6	4 15.1	68.74	15 45.71
3	Di	3 49.67	11.18	6 45 8.69	4 7.74	23 2 37.5	4 39.2	68.70	15 45.69
4	Mi	4 0.85	10.90	6 49 16.43	4 7.46	22 57 58.3	5 3.4	68.66	15 45.68
5	Do	4 11.75	10.61	6 53 23.89	4 7.17	22 52 54.9	5 27.2	68.62	15 45.67
6	Fr	4 22.36	10.29	6 57 31.06	4 6.84	22 47 27.7	5 51.1	68.58	15 45.67
7	Sa	+4 32.65	9.94	7 1 37.90	4 6.50	+22 41 36.6	6 14.8	68.53	15 45.68
8	St	4 42.59	9.58	7 5 44.40	4 6.14	22 35 21.8	6 38.3	68.47	15 45.69
9	Mo	4 52.17	9.19	7 9 50.54	4 5.75	22 28 43.5	7 1.7	68.42	15 45.70
10	Di	5 1.36	8.79	7 13 56.29	4 5.35	22 21 41.8	7 24.9	68.36	15 45.72
11	Mi	5 10.15	8.37	7 18 1.64	4 4.92	22 14 16.9	7 47.9	68.30	15 45.74
12	Do	5 18.52	7.91	7 22 6.56	4 4.47	22 6 29.0	8 10.7	68.24	15 45.78
13	Fr	+5 26.43	7.46	7 26 11.03	4 4.01	+21 58 18.3	8 33.3	68.18	15 45.81
14	Sa	5 33.89	6.97	7 30 15.04	4 3.53	21 49 45.0	8 55.7	68.12	15 45.85
15	St	5 40.86	6.47	7 34 18.57	4 3.03	21 40 49.3	9 17.9	68.05	15 45.90
16	Mo	5 47.33	5.95	7 38 21.60	4 2.51	21 31 31.4	9 39.9	67.98	15 45.95
17	Di	5 53.28	5.43	7 42 24.11	4 1.99	21 21 51.5	10 1.6	67.90	15 46.01
18	Mi	5 58.71	4.88	7 46 26.10	4 1.44	21 11 49.9	10 23.1	67.83	15 46.08
19	Do	+6 3.59	4.32	7 50 27.54	4 0.88	+21 1 26.8	10 44.3	67.76	15 46.14
20	Fr	6 7.91	3.76	7 54 28.42	4 0.32	20 50 42.5	11 5.3	67.68	15 46.22
21	Sa	6 11.67	3.19	7 58 28.74	3 59.74	20 39 37.2	11 26.1	67.60	15 46.29
22	St	6 14.86	2.60	8 2 28.48	3 59.15	20 28 11.1	11 46.6	67.52	15 46.37
23	Mo	6 17.46	2.01	8 6 27.63	3 58.57	20 16 24.5	12 6.9	67.44	15 46.46
24	Di	+6 19.47		8 10 26.20		+20 4 17.6		67.36	15 46.54

Tag	Julian. Zeit	Sternzeit	Nutation in AR. langp. Gl.	Nutation in AR. kurzp. Gl.	Mittleres Äquinoktium 1934.0 Länge	Diff.	Breite	log R	Diff.	Aufgang in {+50° Breite, 0h Länge}	Untergang in {+50° Breite, 0h Länge}
1934	2427	h m s	s in 0.001		° ′ ″	′ ″	″ in 0.01			h m	h m
Juni 13	601.5	17 22 27.854	+738	+ 4	81 17 28.4	57 20.3	+ 3	0.006 7500	415	3 50	20 9
14	602.5	17 26 24.412	741	+ 8	82 14 48.7	57 19.4	− 7	0.006 7915	391	3 50	20 9
15	603.5	17 30 20.971	744	+10	83 12 8.1	57 18.7	−18	0.006 8306	367	3 50	20 10
16	604.5	17 34 17.529	747	+12	84 9 26.8	57 18.0	−30	0.006 8673	343	3 50	20 10
17	605.5	17 38 14.088	750	+10	85 6 44.8	57 17.2	−43	0.006 9016	321	3 50	20 11
18	606.5	17 42 10.646	754	+ 7	86 4 2.0	57 16.4	−55	0.006 9337	299	3 50	20 11
19	607.5	17 46 7.204	+757	+ 1	87 1 18.4	57 15.7	−65	0.006 9636	277	3 50	20 12
20	608.5	17 50 3.763	760	− 5	87 58 34.1	57 14.9	−74	0.006 9913	257	3 50	20 12
21	609.5	17 54 0.321	763	−11	88 55 49.0	57 14.2	−81	0.007 0170	237	3 50	20 12
22	610.5	17 57 56.880	766	−16	89 53 3.2	57 13.6	−85	0.007 0407	220	3 50	20 12
23	611.5	18 1 53.438	769	−18	90 50 16.8	57 12.8	−86	0.007 0627	203	3 51	20 13
24	612.5	18 5 49.996	772	−18	91 47 29.6	57 12.4	−85	0.007 0830	187	3 51	20 13
25	613.5	18 9 46.555	+775	−14	92 44 42.0	57 11.9	−80	0.007 1017	173	3 51	20 13
26	614.5	18 13 43.113	778	− 7	93 41 53.9	57 11.5	−73	0.007 1190	159	3 52	20 13
27	615.5	18 17 39.672	781	+ 1	94 39 5.4	57 11.2	−62	0.007 1349	145	3 52	20 13
28	616.5	18 21 36.230	784	+ 9	95 36 16.6	57 11.1	−50	0.007 1494	132	3 53	20 13
29	617.5	18 25 32.788	787	+15	96 33 27.7	57 11.1	−36	0.007 1626	118	3 53	20 13
30	618.5	18 29 29.347	790	+17	97 30 38.8	57 11.2	−22	0.007 1744	102	3 54	20 13
Juli 1	619.5	18 33 25.905	+793	+16	98 27 50.0	57 11.2	− 8	0.007 1846	86	3 55	20 13
2	620.5	18 37 22.463	796	+11	99 25 1.2	57 11.5	+ 6	0.007 1932	68	3 55	20 13
3	621.5	18 41 19.021	799	+ 5	100 22 12.7	57 11.7	+18	0.007 2000	49	3 56	20 12
4	622.5	18 45 15.580	802	− 2	101 19 24.4	57 12.0	+27	0.007 2049	28	3 56	20 12
5	623.5	18 49 12.138	804	− 7	102 16 36.4	57 12.3	+32	0.007 2077	7	3 57	20 12
6	624.5	18 53 8.696	807	− 9	103 13 48.7	57 12.7	+35	0.007 2084	17	3 58	20 11
7	625.5	18 57 5.254	+810	− 9	104 11 1.4	57 12.9	+36	0.007 2067	41	3 59	20 10
8	626.5	19 1 1.812	813	− 7	105 8 14.3	57 13.2	+33	0.007 2026	65	3 59	20 10
9	627.5	19 4 58.370	815	− 2	106 5 27.5	57 13.4	+28	0.007 1961	91	4 0	20 9
10	628.5	19 8 54.928	818	+ 3	107 2 40.9	57 13.7	+20	0.007 1870	116	4 1	20 8
11	629.5	19 12 51.486	821	+ 7	107 59 54.6	57 14.0	+10	0.007 1754	142	4 2	20 7
12	630.5	19 16 48.044	823	+10	108 57 8.6	57 14.2	− 1	0.007 1612	167	4 3	20 7
13	631.5	19 20 44.602	+826	+12	109 54 22.8	57 14.4	−13	0.007 1445	193	4 4	20 6
14	632.5	19 24 41.160	828	+11	110 51 37.2	57 14.6	−26	0.007 1252	217	4 5	20 6
15	633.5	19 28 37.718	831	+ 9	111 48 51.8	57 14.8	−38	0.007 1035	242	4 6	20 5
16	634.5	19 32 34.275	833	+ 4	112 46 6.6	57 14.9	−50	0.007 0793	266	4 7	20 4
17	635.5	19 36 30.833	835	− 2	113 43 21.5	57 15.2	−60	0.007 0527	290	4 8	20 3
18	636.5	19 40 27.391	837	− 9	114 40 36.7	57 15.3	−68	0.007 0237	311	4 10	20 2
19	637.5	19 44 23.948	+839	−15	115 37 52.0	57 15.5	−74	0.006 9926	332	4 11	20 1
20	638.5	19 48 20.506	842	−18	116 35 7.5	57 15.8	−77	0.006 9594	352	4 12	20 0
21	639.5	19 52 17.063	844	−19	117 32 23.3	57 15.9	−76	0.006 9242	369	4 13	19 59
22	640.5	19 56 13.620	846	−17	118 29 39.2	57 16.3	−71	0.006 8873	387	4 14	19 58
23	641.5	20 0 10.178	847	−10	119 26 55.5	57 16.6	−64	0.006 8486	402	4 16	19 56
24	642.5	20 4 6.735	+849	− 3	120 24 12.1		−55	0.006 8084		4 17	19 55

Tag	Wochentag	0ʰ Welt-Zeit Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
1934		m s	s	h m s	m s	° ′ ″	′ ″	s	′ ″
Juli 24	Di	+6 19.47	1.42	8 10 26.20	3 57.98	+20 4 17.6	12 27.0	67.36	15 46.54
25	Mi	6 20.89	0.83	8 14 24.18	3 57.38	19 51 50.6	12 46.7	67.28	15 46.64
26	Do	6 21.72	0.23	8 18 21.56	3 56.79	19 39 3.9	13 6.3	67.20	15 46.73
27	Fr	6 21.95	0.36	8 22 18.35	3 56.20	19 25 57.6	13 25.5	67.11	15 46.82
28	Sa	6 21.59	0.95	8 26 14.55	3 55.61	19 12 32.1	13 44.7	67.03	15 46.92
29	St	6 20.64	1.54	8 30 10.16	3 55.02	18 58 47.4	14 3.5	66.94	15 47.03
30	Mo	+6 19.10	2.12	8 34 5.18	3 54.43	+18 44 43.9	14 22.0	66.85	15 47.13
31	Di	6 16.98	2.71	8 37 59.61	3 53.84	18 30 21.9	14 40.4	66.77	15 47.24
Aug. 1	Mi	6 14.27	3.30	8 41 53.45	3 53.26	18 15 41.5	14 58.4	66.68	15 47.35
2	Do	6 10.97	3.89	8 45 46.71	3 52.67	18 0 43.1	15 16.2	66.59	15 47.46
3	Fr	6 7.08	4.47	8 49 39.38	3 52.08	17 45 26.9	15 33.6	66.51	15 47.58
4	Sa	6 2.61	5.06	8 53 31.46	3 51.50	17 29 53.3	15 50.7	66.42	15 47.71
5	St	+5 57.55	5.65	8 57 22.96	3 50.91	+17 14 2.6	16 7.6	66.33	15 47.83
6	Mo	5 51.90	6.23	9 1 13.87	3 50.32	16 57 55.0	16 24.2	66.25	15 47.97
7	Di	5 45.67	6.82	9 5 4.19	3 49.74	16 41 30.8	16 40.4	66.16	15 48.10
8	Mi	5 38.85	7.40	9 8 53.93	3 49.16	16 24 50.4	16 56.4	66.07	15 48.24
9	Do	5 31.45	7.98	9 12 43.09	3 48.57	16 7 54.0	17 11.9	65.99	15 48.39
10	Fr	5 23.47	8.56	9 16 31.66	3 48.00	15 50 42.1	17 27.2	65.90	15 48.54
11	Sa	+5 14.91	9.14	9 20 19.66	3 47.42	+15 33 14.9	17 42.1	65.82	15 48.70
12	St	5 5.77	9.70	9 24 7.08	3 46.85	15 15 32.8	17 56.8	65.74	15 48.86
13	Mo	4 56.07	10.27	9 27 53.93	3 46.29	14 57 36.0	18 11.1	65.66	15 49.02
14	Di	4 45.80	10.83	9 31 40.22	3 45.73	14 39 24.9	18 25.0	65.58	15 49.20
15	Mi	4 34.97	11.38	9 35 25.95	3 45.17	14 20 59.9	18 38.6	65.50	15 49.37
16	Do	4 23.59	11.93	9 39 11.12	3 44.63	14 2 21.3	18 51.9	65.42	15 49.55
17	Fr	+4 11.66	12.46	9 42 55.75	3 44.09	+13 43 29.4	19 4.9	65.34	15 49.73
18	Sa	3 59.20	12.99	9 46 39.84	3 43.56	13 24 24.5	19 17.5	65.27	15 49.92
19	St	3 46.21	13.51	9 50 23.40	3 43.05	13 5 7.0	19 29.8	65.19	15 50.11
20	Mo	3 32.70	14.02	9 54 6.45	3 42.54	12 45 37.2	19 41.9	65.12	15 50.30
21	Di	3 18.68	14.50	9 57 48.99	3 42.05	12 25 55.3	19 53.6	65.05	15 50.50
22	Mi	3 4.18	14.98	10 1 31.04	3 41.57	12 6 1.7	20 5.0	64.98	15 50.70
23	Do	+2 49.20	15.44	10 5 12.61	3 41.12	+11 45 56.7	20 16.0	64.92	15 50.90
24	Fr	2 33.76	15.88	10 8 53.73	3 40.68	11 25 40.7	20 27.0	64.85	15 51.10
25	Sa	2 17.88	16.29	10 12 34.41	3 40.26	11 5 13.7	20 37.5	64.79	15 51.31
26	St	2 1.59	16.70	10 16 14.67	3 39.85	10 44 36.2	20 47.7	64.73	15 51.52
27	Mo	1 44.89	17.08	10 19 54.52	3 39.48	10 23 48.5	20 57.8	64.67	15 51.72
28	Di	1 27.81	17.44	10 23 34.00	3 39.11	10 2 50.7	21 7.4	64.61	15 51.93
29	Mi	+1 10.37	17.79	10 27 13.11	3 38.76	+ 9 41 43.3	21 16.8	64.56	15 52.14
30	Do	0 52.58	18.12	10 30 51.87	3 38.44	9 20 26.5	21 25.9	64.50	15 52.36
31	Fr	0 34.46	18.43	10 34 30.31	3 38.12	8 59 0.6	21 34.6	64.45	15 52.57
Sept. 1	Sa	+0 16.03	18.73	10 38 8.43	3 37.82	8 37 26.0	21 43.1	64.40	15 52.79
2	St	−0 2.70	19.01	10 41 46.25	3 37.55	8 15 42.9	21 51.1	64.36	15 53.01
3	Mo	−0 21.71		10 45 23.80		+ 7 53 51.8		64.32	15 53.24

Tag	Julian. Zeit	Sternzeit	Nutation in AR. langp. Gl.	kurzp. Gl.	Mittleres Äquinoktium 1934.0 Länge		Breite	log R		Aufgang in {+50° Breite, 0h Länge}	Untergang
1934	2427	h m s	s in 0.001		° ′ ″	′ ″	″ in 0.01			h m	h m
Juli 24	642.5	20 4 6.735	+849	− 3	120 24 12.1	57 17.0	−55	0.006 8084	416	4 17	19 55
25	643.5	20 8 3.292	851	+ 6	121 21 29.1	57 17.6	−43	0.006 7668	429	4 18	19 54
26	644.5	20 11 59.849	853	+12	122 18 46.7	57 18.2	−29	0.006 7239	441	4 19	19 53
27	645.5	20 15 56.406	854	+15	123 16 4.9	57 18.9	−15	0.006 6798	454	4 21	19 51
28	646.5	20 19 52.963	856	+15	124 13 23.8	57 19.8	0	0.006 6344	467	4 22	19 50
29	647.5	20 23 49.519	857	+12	125 10 43.6	57 20.8	+15	0.006 5877	479	4 24	19 48
30	648.5	20 27 46.076	+858	+ 7	126 8 4.4	57 21.8	+27	0.006 5398	494	4 25	19 47
31	649.5	20 31 42.633	860	0	127 5 26.2	57 23.0	+37	0.006 4904	510	4 26	19 45
Aug. 1	650.5	20 35 39.189	861	− 5	128 2 49.2	57 24.1	+44	0.006 4394	527	4 28	19 44
2	651.5	20 39 35.746	862	− 9	129 0 13.3	57 25.2	+48	0.006 3867	545	4 29	19 42
3	652.5	20 43 32.302	863	− 9	129 57 38.5	57 26.5	+49	0.006 3322	564	4 31	19 41
4	653.5	20 47 28.858	864	− 7	130 55 5.0	57 27.7	+48	0.006 2758	584	4 32	19 39
5	654.5	20 51 25.415	+865	− 3	131 52 32.7	57 28.9	+43	0.006 2174	605	4 33	19 37
6	655.5	20 55 21.971	866	+ 2	132 50 1.6	57 30.1	+36	0.006 1569	626	4 35	19 36
7	656.5	20 59 18.527	866	+ 7	133 47 31.7	57 31.2	+27	0.006 0943	649	4 36	19 34
8	657.5	21 3 15.083	867	+10	134 45 2.9	57 32.5	+16	0.006 0294	670	4 38	19 33
9	658.5	21 7 11.639	867	+13	135 42 35.4	57 33.6	+ 4	0.005 9624	693	4 39	19 31
10	659.5	21 11 8.194	868	+12	136 40 9.0	57 34.7	− 8	0.005 8931	715	4 40	19 29
11	660.5	21 15 4.750	+868	+10	137 37 43.7	57 35.9	−20	0.005 8216	737	4 42	19 27
12	661.5	21 19 1.306	869	+ 6	138 35 19.6	57 37.0	−32	0.005 7479	759	4 43	19 26
13	662.5	21 22 57.861	869	0	139 32 56.6	57 38.0	−42	0.005 6720	781	4 45	19 24
14	663.5	21 26 54.417	869	− 6	140 30 34.6	57 39.1	−50	0.005 5939	801	4 46	19 22
15	664.5	21 30 50.972	869	−12	141 28 13.7	57 40.2	−57	0.005 5138	820	4 48	19 20
16	665.5	21 34 47.527	869	−17	142 25 53.9	57 41.1	−60	0.005 4318	839	4 49	19 18
17	666.5	21 38 44.083	+869	−19	143 23 35.0	57 42.2	−60	0.005 3479	857	4 51	19 16
18	667.5	21 42 40.638	868	−17	144 21 17.2	57 43.3	−57	0.005 2622	872	4 52	19 14
19	668.5	21 46 37.193	868	−13	145 19 0.5	57 44.3	−51	0.005 1750	886	4 54	19 12
20	669.5	21 50 33.748	868	− 6	146 16 44.8	57 45.4	−42	0.005 0864	899	4 55	19 10
21	670.5	21 54 30.303	867	+ 2	147 14 30.2	57 46.5	−31	0.004 9965	909	4 57	19 8
22	671.5	21 58 26.858	867	+ 9	148 12 16.7	57 47.7	−18	0.004 9056	918	4 58	19 6
23	672.5	22 2 23.412	+866	+13	149 10 4.4	57 49.1	− 4	0.004 8138	927	5 0	19 4
24	673.5	22 6 19.967	865	+15	150 7 53.5	57 50.5	+11	0.004 7211	934	5 1	19 2
25	674.5	22 10 16.522	865	+12	151 5 44.0	57 52.0	+25	0.004 6277	941	5 3	19 0
26	675.5	22 14 13.076	864	+ 7	152 3 36.0	57 53.6	+39	0.004 5336	949	5 4	18 58
27	676.5	22 18 9.630	863	+ 1	153 1 29.6	57 55.3	+50	0.004 4387	955	5 6	18 56
28	677.5	22 22 6.185	862	− 4	153 59 24.9	57 57.1	+58	0.004 3432	964	5 7	18 54
29	678.5	22 26 2.739	+861	− 8	154 57 22.0	57 58.9	+64	0.004 2468	973	5 9	18 52
30	679.5	22 29 59.293	860	− 9	155 55 20.9	58 0.8	+65	0.004 1495	983	5 10	18 50
31	680.5	22 33 55.848	858	− 8	156 53 21.7	58 2.7	+65	0.004 0512	995	5 12	18 48
Sept. 1	681.5	22 37 52.402	857	− 4	157 51 24.4	58 4.7	+62	0.003 9517	1007	5 13	18 46
2	682.5	22 41 48.956	856	+ 1	158 49 29.1	58 6.6	+56	0.003 8510	1020	5 15	18 44
3	683.5	22 45 45.510	+854	+ 6	159 47 35.7		+47	0.003 7490		5 16	18 42

Tag	Wochentag	Zeitgleichung Mittlere Zeit *minus* Wahre Zeit (m s)	Diff. (s)	Scheinbare Rektaszension (h m s)	Diff. (m s)	Scheinbare Deklination (° ′ ″)	Diff. (′ ″)	Halbe Durchgangs-Dauer St.-Zt. (s)	Halbmesser (′ ″)
1934									
Sept. 3	Mo	— 0 21.71	19.27	10 45 23.80	3 37.28	+7 53 51.8	21 58.9	64.32	15 53.24
4	Di	0 40.98	19.53	10 49 1.08	3 37.03	7 31 52.9	22 6.4	64.28	15 53.46
5	Mi	1 0.51	19.75	10 52 38.11	3 36.80	7 9 46.5	22 13.4	64.24	15 53.69
6	Do	1 20.26	19.98	10 56 14.91	3 36.58	6 47 33.1	22 20.1	64.20	15 53.93
7	Fr	1 40.24	20.17	10 59 51.49	3 36.38	6 25 13.0	22 26.5	64.17	15 54.16
8	Sa	2 0.41	20.37	11 3 27.87	3 36.19	6 2 46.5	22 32.6	64.14	15 54.40
9	St	— 2 20.78	20.53	11 7 4.06	3 36.02	+5 40 13.9	22 38.3	64.12	15 54.65
10	Mo	2 41.31	20.69	11 10 40.08	3 35.86	5 17 35.6	22 43.6	64.09	15 54.89
11	Di	3 2.00	20.82	11 14 15.94	3 35.73	4 54 52.0	22 48.6	64.07	15 55.14
12	Mi	3 22.82	20.95	11 17 51.67	3 35.60	4 32 3.4	22 53.2	64.05	15 55.40
13	Do	3 43.77	21.06	11 21 27.27	3 35.50	4 9 10.2	22 57.5	64.04	15 55.65
14	Fr	4 4.83	21.14	11 25 2.77	3 35.41	3 46 12.7	23 1.4	64.03	15 55.91
15	Sa	— 4 25.97	21.22	11 28 38.18	3 35.33	+3 23 11.3	23 5.0	64.02	15 56.17
16	St	4 47.19	21.27	11 32 13.51	3 35.28	3 0 6.3	23 8.3	64.01	15 56.44
17	Mo	5 8.46	21.31	11 35 48.79	3 35.25	2 36 58.0	23 11.2	64.01	15 56.70
18	Di	5 29.77	21.32	11 39 24.04	3 35.24	2 13 46.8	23 13.8	64.01	15 56.97
19	Mi	5 51.09	21.31	11 42 59.28	3 35.24	1 50 33.0	23 16.0	64.01	15 57.24
20	Do	6 12.40	21.27	11 46 34.52	3 35.28	1 27 17.0	23 18.1	64.01	15 57.51
21	Fr	— 6 33.67	21.23	11 50 9.80	3 35.33	+1 3 58.9	23 19.7	64.02	15 57.78
22	Sa	6 54.90	21.14	11 53 45.13	3 35.41	0 40 39.2	23 21.0	64.03	15 58.05
23	St	7 16.04	21.04	11 57 20.54	3 35.51	+0 17 18.2	23 22.1	64.05	15 58.32
24	Mo	7 37.08	20.91	12 0 56.05	3 35.64	—0 6 3.9	23 22.9	64.07	15 58.58
25	Di	7 57.99	20.76	12 4 31.69	3 35.80	0 29 26.8	23 23.3	64.09	15 58.85
26	Mi	8 18.75	20.58	12 8 7.49	3 35.97	0 52 50.1	23 23.4	64.11	15 59.12
27	Do	— 8 39.33	20.38	12 11 43.46	3 36.18	—1 16 13.5	23 23.2	64.14	15 59.39
28	Fr	8 59.71	20.15	12 15 19.64	3 36.40	1 39 36.7	23 22.6	64.17	15 59.66
29	Sa	9 19.86	19.91	12 18 56.04	3 36.64	2 2 59.3	23 21.7	64.20	15 59.92
30	St	9 39.77	19.64	12 22 32.68	3 36.91	2 26 21.0	23 20.5	64.23	16 0.19
Okt. 1	Mo	9 59.41	19.36	12 26 9.59	3 37.20	2 49 41.5	23 18.9	64.27	16 0.46
2	Di	10 18.77	19.05	12 29 46.79	3 37.50	3 13 0.4	23 16.9	64.32	16 0.73
3	Mi	—10 37.82	18.73	12 33 24.29	3 37.82	—3 36 17.3	23 14.5	64.36	16 1.00
4	Do	10 56.55	18.39	12 37 2.11	3 38.17	3 59 31.8	23 11.8	64.41	16 1.27
5	Fr	11 14.94	18.02	12 40 40.28	3 38.53	4 22 43.6	23 8.7	64.46	16 1.55
6	Sa	11 32.96	17.64	12 44 18.81	3 38.92	4 45 52.3	23 5.3	64.51	16 1.82
7	St	11 50.60	17.25	12 47 57.73	3 39.31	5 8 57.6	23 1.3	64.57	16 2.09
8	Mo	12 7.85	16.83	12 51 37.04	3 39.72	5 31 58.9	22 57.1	64.63	16 2.37
9	Di	—12 24.68	16.40	12 55 16.76	3 40.15	—5 54 56.0	22 52.5	64.69	16 2.65
10	Mi	12 41.08	15.95	12 58 56.91	3 40.60	6 17 48.5	22 47.4	64.75	16 2.92
11	Do	12 57.03	15.50	13 2 37.51	3 41.06	6 40 35.9	22 42.0	64.82	16 3.20
12	Fr	13 12.53	15.02	13 6 18.57	3 41.53	7 3 17.9	22 36.1	64.89	16 3.48
13	Sa	13 27.55	14.52	13 10 0.10	3 42.03	7 25 54.0	22 29.9	64.97	16 3.77
14	St	—13 42.07		13 13 42.13		—7 48 23.9		65.04	16 4.05

(Spaltenüberschrift über allen Datenspalten: 0h Welt-Zeit)

Tag	Julian. Zeit	Sternzeit	Nutation in AR. langp. Gl.	Nutation in AR. kurzp. Gl.	Mittleres Äquinoktium 1934.0 Länge		Breite	log R		Aufgang in +50° Breite 0h Länge	Untergang in +50° Breite 0h Länge
1934	2427	h m s	in 0.001 s		° ′ ″		in 0.″01			h m	h m
Sept. 3	683.5	22 45 45.510	+854	+ 6	159 47 35.7	58′ 8.″5	+47	0.003 7490	1034	5 16	18 42
4	684.5	22 49 42.064	853	+10	160 45 44.2	58 10.4	+37	0.003 6456	1048	5 18	18 40
5	685.5	22 53 38.617	851	+13	161 43 54.6	58 12.3	+25	0.003 5408	1062	5 19	18 38
6	686.5	22 57 35.171	850	+13	162 42 6.9	58 14.2	+14	0.003 4346	1078	5 21	18 35
7	687.5	23 1 31.725	848	+12	163 40 21.1	58 16.1	+ 2	0.003 3268	1092	5 22	18 33
8	688.5	23 5 28.279	847	+ 8	164 38 37.2	58 17.9	−10	0.003 2176	1107	5 24	18 31
9	689.5	23 9 24.832	+845	+ 2	165 36 55.1	58 19.7	−20	0.003 1069	1123	5 25	18 29
10	690.5	23 13 21.386	843	− 4	166 35 14.8	58 21.5	−29	0.002 9946	1137	5 27	18 27
11	691.5	23 17 17.940	841	−10	167 33 36.3	58 23.2	−35	0.002 8809	1152	5 28	18 24
12	692.5	23 21 14.493	840	−15	168 31 59.5	58 24.8	−39	0.002 7657	1165	5 30	18 22
13	693.5	23 25 11.047	838	−17	169 30 24.3	58 26.5	−40	0.002 6492	1177	5 31	18 20
14	694.5	23 29 7.600	836	−17	170 28 50.8	58 28.2	−38	0.002 5315	1189	5 33	18 18
15	695.5	23 33 4.154	+834	−14	171 27 19.0	58 29.7	−33	0.002 4126	1198	5 34	18 16
16	696.5	23 37 0.707	832	− 8	172 25 48.7	58 31.3	−25	0.002 2928	1206	5 36	18 13
17	697.5	23 40 57.260	830	− 1	173 24 20.0	58 33.0	−14	0.002 1722	1213	5 37	18 11
18	698.5	23 44 53.814	828	+ 7	174 22 53.0	58 34.6	− 2	0.002 0509	1217	5 39	18 9
19	699.5	23 48 50.367	826	+12	175 21 27.6	58 36.2	+12	0.001 9292	1220	5 40	18 7
20	700.5	23 52 46.920	824	+14	176 20 3.8	58 37.9	+27	0.001 8072	1221	5 42	18 5
21	701.5	23 56 43.474	+822	+12	177 18 41.7	58 39.8	+42	0.001 6851	1221	5 43	18 2
22	702.5	0 0 40.027	820	+ 8	178 17 21.5	58 41.6	+54	0.001 5630	1219	5 45	18 0
23	703.5	0 4 36.580	818	+ 2	179 16 3.1	58 43.5	+65	0.001 4411	1218	5 46	17 58
24	704.5	0 8 33.134	816	− 4	180 14 46.6	58 45.6	+74	0.001 3193	1216	5 48	17 56
25	705.5	0 12 29.687	814	− 8	181 13 32.2	58 47.8	+80	0.001 1977	1215	5 49	17 54
26	706.5	0 16 26.240	812	−10	182 12 20.0	58 49.9	+83	0.001 0762	1213	5 51	17 51
27	707.5	0 20 22.793	+809	− 9	183 11 9.9	58 52.1	+83	0.000 9549	1213	5 52	17 49
28	708.5	0 24 19.347	807	− 6	184 10 2.0	58 54.4	+80	0.000 8336	1213	5 54	17 47
29	709.5	0 28 15.900	805	− 1	185 8 56.4	58 56.7	+74	0.000 7123	1214	5 56	17 45
30	710.5	0 32 12.453	803	+ 4	186 7 53.1	58 59.0	+66	0.000 5909	1217	5 57	17 43
Okt. 1	711.5	0 36 9.007	801	+ 9	187 6 52.1	59 1.3	+57	0.000 4692	1219	5 59	17 40
2	712.5	0 40 5.560	799	+12	188 5 53.4	59 3.6	+46	0.000 3473	1222	6 0	17 38
3	713.5	0 44 2.113	+797	+13	189 4 57.0	59 5.8	+34	0.000 2251	1226	6 2	17 36
4	714.5	0 47 58.667	795	+12	190 4 2.8	59 8.1	+22	0.000 1025	1231	6 3	17 34
5	715.5	0 51 55.221	794	+ 9	191 3 10.9	59 10.3	+11	9.999 9794	1235	6 5	17 32
6	716.5	0 55 51.774	792	+ 4	192 2 21.2	59 12.4	+ 1	9.999 8559	1241	6 6	17 29
7	717.5	0 59 48.327	790	− 1	193 1 33.6	59 14.6	− 8	9.999 7318	1245	6 8	17 27
8	718.5	1 3 44.881	788	− 7	194 0 48.2	59 16.8	−14	9.999 6073	1250	6 9	17 25
9	719.5	1 7 41.435	+786	−13	195 0 5.0	59 18.7	−18	9.999 4823	1255	6 11	17 23
10	720.5	1 11 37.988	785	−17	195 59 23.7	59 20.7	−20	9.999 3568	1260	6 12	17 21
11	721.5	1 15 34.542	783	−17	196 58 44.4	59 22.6	−19	9.999 2308	1264	6 14	17 19
12	722.5	1 19 31.096	781	−15	197 58 7.0	59 24.4	−15	9.999 1044	1267	6 15	17 17
13	723.5	1 23 27.649	780	− 9	198 57 31.4	59 26.3	− 8	9.998 9777	1267	6 17	17 15
14	724.5	1 27 24.203	+778	− 2	199 56 57.7		+ 2	9.998 8510		6 19	17 13

Tag		Wochentag	0ʰ Welt-Zeit: Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
1934			m s	s	h m s	m s	° ′ ″	′ ″	s	′ ″
Okt.	14	St	−13 42.07	14.02	13 13 42.13	3 42.53	− 7 48 23.9	22 23.3	65.04	16 4.05
	15	Mo	13 56.09	13.50	13 17 24.66	3 43.06	8 10 47.2	22 16.3	65.12	16 4.33
	16	Di	14 9.59	12.95	13 21 7.72	3 43.60	8 33 3.5	22 9.0	65.20	16 4.61
	17	Mi	14 22.54	12.40	13 24 51.32	3 44.16	8 55 12.5	22 1.2	65.29	16 4.89
	18	Do	14 34.94	11.81	13 28 35.48	3 44.74	9 17 13.7	21 53.1	65.37	16 5.17
	19	Fr	14 46.75	11.22	13 32 20.22	3 45.34	9 39 6.8	21 44.6	65.46	16 5.45
	20	Sa	−14 57.97	10.60	13 36 5.56	3 45.95	−10 0 51.4	21 35.8	65.55	16 5.72
	21	St	15 8.57	9.97	13 39 51.51	3 46.59	10 22 27.2	21 26.6	65.65	16 6.00
	22	Mo	15 18.54	9.31	13 43 38.10	3 47.24	10 43 53.8	21 17.1	65.74	16 6.27
	23	Di	15 27.85	8.63	13 47 25.34	3 47.92	11 5 10.9	21 7.2	65.84	16 6.54
	24	Mi	15 36.48	7.94	13 51 13.26	3 48.62	11 26 18.1	20 56.8	65.94	16 6.80
	25	Do	15 44.42	7.22	13 55 1.88	3 49.34	11 47 14.9	20 46.2	66.04	16 7.06
	26	Fr	−15 51.64	6.49	13 58 51.22	3 50.06	−12 8 1.1	20 35.1	66.14	16 7.32
	27	Sa	15 58.13	5.74	14 2 41.28	3 50.81	12 28 36.2	20 23.7	66.24	16 7.58
	28	St	16 3.87	4.99	14 6 32.09	3 51.57	12 48 59.9	20 11.8	66.35	16 7.84
	29	Mo	16 8.86	4.21	14 10 23.66	3 52.34	13 9 11.7	19 59.5	66.45	16 8.09
	30	Di	16 13.07	3.42	14 14 16.00	3 53.14	13 29 11.2	19 46.8	66.56	16 8.34
	31	Mi	16 16.49	2.63	14 18 9.14	3 53.92	13 48 58.0	19 33.7	66.67	16 8.59
Nov.	1	Do	−16 19.12	1.82	14 22 3.06	3 54.74	−14 8 31.7	19 20.3	66.79	16 8.84
	2	Fr	16 20.94	1.01	14 25 57.80	3 55.55	14 27 52.0	19 6.3	66.90	16 9.08
	3	Sa	16 21.95	0.18	14 29 53.35	3 56.37	14 46 58.3	18 51.9	67.01	16 9.33
	4	St	16 22.13	0.64	14 33 49.72	3 57.20	15 5 50.2	18 37.2	67.13	16 9.57
	5	Mo	16 21.49	1.48	14 37 46.92	3 58.03	15 24 27.4	18 22.0	67.25	16 9.81
	6	Di	16 20.01	2.32	14 41 44.95	3 58.87	15 42 49.4	18 6.3	67.36	16 10.05
	7	Mi	−16 17.69	3.15	14 45 43.82	3 59.71	−16 0 55.7	17 50.3	67.48	16 10.29
	8	Do	16 14.54	3.99	14 49 43.53	4 0.55	16 18 46.0	17 33.8	67.60	16 10.53
	9	Fr	16 10.55	4.82	14 53 44.08	4 1.38	16 36 19.8	17 16.9	67.72	16 10.77
	10	Sa	16 5.73	5.66	14 57 45.46	4 2.22	16 53 36.7	16 59.6	67.84	16 11.00
	11	St	16 0.07	6.50	15 1 47.68	4 3.05	17 10 36.3	16 41.8	67.96	16 11.24
	12	Mo	15 53.57	7.32	15 5 50.73	4 3.88	17 27 18.1	16 23.8	68.08	16 11.47
	13	Di	−15 46.25	8.16	15 9 54.61	4 4.71	−17 43 41.9	16 5.2	68.20	16 11.70
	14	Mi	15 38.09	8.98	15 13 59.32	4 5.54	17 59 47.1	15 46.3	68.32	16 11.93
	15	Do	15 29.11	9.81	15 18 4.86	4 6.36	18 15 33.4	15 27.0	68.44	16 12.15
	16	Fr	15 19.30	10.63	15 22 11.22	4 7.19	18 31 0.4	15 7.3	68.56	16 12.37
	17	Sa	15 8.67	11.45	15 26 18.41	4 8.01	18 46 7.7	14 47.4	68.67	16 12.59
	18	St	14 57.22	12.27	15 30 26.42	4 8.82	19 0 55.1	14 27.0	68.79	16 12.80
	19	Mo	−14 44.95	13.08	15 34 35.24	4 9.65	−19 15 22.1	14 6.2	68.90	16 13.01
	20	Di	14 31.87	13.91	15 38 44.89	4 10.46	19 29 28.3	13 45.1	69.02	16 13.21
	21	Mi	14 17.96	14.71	15 42 55.35	4 11.27	19 43 13.4	13 23.7	69.13	16 13.41
	22	Do	14 3.25	15.52	15 47 6.62	4 12.07	19 56 37.1	13 1.9	69.24	16 13.61
	23	Fr	13 47.73	16.31	15 51 18.69	4 12.87	20 9 39.0	12 39.7	69.35	16 13.80
	24	Sa	−13 31.42		15 55 31.56		−20 22 18.7		69.46	16 13.98

Tag	Julian. Zeit	Sternzeit	Nutation in AR. langp. Gl.	kurzp. Gl.	Mittleres Äquinoktium 1934.0 Länge	Diff.	Breite	log R	Diff.	Auf-gang (in +50° Breite, 0h Länge)	Unter-gang (in +50° Breite, 0h Länge)
1934	2427	h m s	s in 0.001		° ′ ″	′ ″	″ in 0.01			h m	h m
Okt. 14	724.5	1 27 24.203	+778	− 2	199 56 57.7	59 27.9	+ 2	9.998 8510	1268	6 19	17 13
15	725.5	1 31 20.757	777	+ 5	200 56 25.6	59 29.8	+ 14	9.998 7242	1265	6 20	17 11
16	726.5	1 35 17.311	776	+11	201 55 55.4	59 31.4	+ 27	9.998 5977	1262	6 22	17 9
17	727.5	1 39 13.865	774	+14	202 55 26.8	59 33.2	+ 40	9.998 4715	1257	6 23	17 7
18	728.5	1 43 10.419	773	+13	203 55 0.0	59 34.9	+ 54	9.998 3458	1249	6 25	17 5
19	729.5	1 47 6.973	772	+10	204 54 34.9	59 36.6	+ 67	9.998 2209	1239	6 27	17 3
20	730.5	1 51 3.528	+771	+ 4	205 54 11.5	59 38.5	+ 77	9.998 0970	1230	6 28	17 1
21	731.5	1 55 0.082	770	− 2	206 53 50.0	59 40.4	+ 86	9.997 9740	1218	6 30	16 59
22	732.5	1 58 56.637	769	− 8	207 53 30.4	59 42.3	+ 92	9.997 8522	1206	6 31	16 57
23	733.5	2 2 53.191	768	−10	208 53 12.7	59 44.3	+ 95	9.997 7316	1194	6 33	16 55
24	734.5	2 6 49.746	767	−10	209 52 57.0	59 46.4	+ 95	9.997 6122	1181	6 35	16 53
25	735.5	2 10 46.300	766	− 8	210 52 43.4	59 48.5	+ 91	9.997 4941	1169	6 37	16 51
26	736.5	2 14 42.855	+766	− 3	211 52 31.9	59 50.7	+ 86	9.997 3772	1157	6 38	16 49
27	737.5	2 18 39.410	765	+ 2	212 52 22.6	59 52.8	+ 78	9.997 2615	1146	6 40	16 47
28	738.5	2 22 35.965	765	+ 7	213 52 15.4	59 55.0	+ 68	9.997 1469	1136	6 42	16 45
29	739.5	2 26 32.520	764	+11	214 52 10.4	59 57.2	+ 57	9.997 0333	1127	6 44	16 43
30	740.5	2 30 29.075	764	+13	215 52 7.6	59 59.3	+ 45	9.996 9206	1117	6 45	16 42
31	741.5	2 34 25.630	764	+13	216 52 6.9	60 1.5	+ 33	9.996 8089	1109	6 47	16 40
Nov. 1	742.5	2 38 22.185	+764	+10	217 52 8.4	60 3.6	+ 22	9.996 6980	1102	6 48	16 39
2	743.5	2 42 18.741	764	+ 6	218 52 12.0	60 5.7	+ 11	9.996 5878	1094	6 50	16 37
3	744.5	2 46 15.296	764	0	219 52 17.7	60 7.7	+ 1	9.996 4784	1088	6 52	16 35
4	745.5	2 50 11.852	764	− 6	220 52 25.4	60 9.8	− 6	9.996 3696	1082	6 53	16 33
5	746.5	2 54 8.407	764	−12	221 52 35.2	60 11.7	− 11	9.996 2614	1076	6 55	16 32
6	747.5	2 58 4.963	765	−15	222 52 46.9	60 13.6	− 13	9.996 1538	1071	6 56	16 30
7	748.5	3 2 1.519	+765	−17	223 53 0.5	60 15.3	− 12	9.996 0467	1065	6 58	16 28
8	749.5	3 5 58.075	766	−15	224 53 15.8	60 17.1	− 9	9.995 9402	1060	7 0	16 27
9	750.5	3 9 54.631	766	−11	225 53 32.9	60 18.7	− 3	9.995 8342	1054	7 1	16 25
10	751.5	3 13 51.187	767	− 4	226 53 51.6	60 20.3	+ 6	9.995 7288	1047	7 3	16 24
11	752.5	3 17 47.743	768	+ 4	227 54 11.9	60 21.6	+ 18	9.995 6241	1037	7 4	16 22
12	753.5	3 21 44.299	769	+10	228 54 33.5	60 23.1	+ 31	9.995 5204	1028	7 6	16 21
13	754.5	3 25 40.856	+770	+14	229 54 56.6	60 24.5	+ 45	9.995 4176	1016	7 8	16 20
14	755.5	3 29 37.412	771	+15	230 55 21.1	60 25.7	+ 58	9.995 3160	1003	7 10	16 18
15	756.5	3 33 33.969	772	+12	231 55 46.8	60 27.1	+ 71	9.995 2157	986	7 11	16 17
16	757.5	3 37 30.526	774	+ 7	232 56 13.9	60 28.4	+ 82	9.995 1171	970	7 13	16 15
17	758.5	3 41 27.082	775	0	233 56 42.3	60 29.6	+ 91	9.995 0201	951	7 15	16 14
18	759.5	3 45 23.639	777	− 6	234 57 11.9	60 31.0	+ 97	9.994 9250	932	7 16	16 13
19	760.5	3 49 20.196	+778	−10	235 57 42.9	60 32.5	+100	9.994 8318	910	7 18	16 12
20	761.5	3 53 16.753	780	−11	236 58 15.4	60 33.8	+100	9.994 7408	889	7 19	16 11
21	762.5	3 57 13.310	782	− 9	237 58 49.2	60 35.3	+ 97	9.994 6519	867	7 21	16 10
22	763.5	4 1 9.868	784	− 5	238 59 24.5	60 36.7	+ 92	9.994 5652	844	7 22	16 9
23	764.5	4 5 6.425	786	0	240 0 1.2	60 38.3	+ 84	9.994 4808	823	7 24	16 8
24	765.5	4 9 2.983	+788	+ 6	241 0 39.5		+ 74	9.994 3985		7 25	16 7

Tag	Wochentag	0h Welt-Zeit: Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
1934		m s	s	h m s	m s	° ′ ″	′ ″	s	′ ″
Nov. 24	Sa	−13 31.42	17.10	15 55 31.56	4 13.66	−20 22 18.7	12 17.2	69.46	16 13.98
25	St	13 14.32	17.89	15 59 45.22	4 14.44	20 34 35.9	11 54.3	69.57	16 14.10
26	Mo	12 56.43	18.65	16 3 59.66	4 15.21	20 46 30.2	11 31.2	69.68	16 14.34
27	Di	12 37.78	19.40	16 8 14.87	4 15.96	20 58 1.4	11 7.6	69.78	16 14.51
28	Mi	12 18.38	20.14	16 12 30.83	4 16.70	21 9 9.0	10 43.8	69.88	16 14.67
29	Do	11 58.24	20.86	16 16 47.53	4 17.42	21 19 52.8	10 19.6	69.98	16 14.84
30	Fr	−11 37.38	21.57	16 21 4.95	4 18.12	−21 30 12.4	9 55.1	70.07	16 14.99
Dez. 1	Sa	11 15.81	22.24	16 25 23.07	4 18.81	21 40 7.5	9 30.3	70.17	16 15.15
2	St	10 53.57	22.91	16 29 41.88	4 19.46	21 49 37.8	9 5.3	70.26	16 15.30
3	Mo	10 30.66	23.54	16 34 1.34	4 20.11	21 58 43.1	8 39.8	70.34	16 15.44
4	Di	10 7.12	24.16	16 38 21.45	4 20.71	22 7 22.9	8 14.2	70.42	16 15.59
5	Mi	9 42.96	24.74	16 42 42.16	4 21.29	22 15 37.1	7 48.2	70.50	16 15.73
6	Do	− 9 18.22	25.29	16 47 3.45	4 21.85	−22 23 25.3	7 22.1	70.58	16 15.86
7	Fr	8 52.93	25.81	16 51 25.30	4 22.37	22 30 47.4	6 55.7	70.65	16 16.00
8	Sa	8 27.12	26.30	16 55 47.67	4 22.86	22 37 43.1	6 29.0	70.72	16 16.13
9	St	8 0.82	26.75	17 0 10.53	4 23.31	22 44 12.1	6 2.2	70.79	16 16.26
10	Mo	7 34.07	27.18	17 4 33.84	4 23.74	22 50 14.3	5 35.1	70.85	16 16.38
11	Di	7 6.89	27.57	17 8 57.58	4 24.13	22 55 49.4	5 7.9	70.91	16 16.50
12	Mi	− 6 39.32	27.93	17 13 21.71	4 24.48	−23 0 57.3	4 40.6	70.96	16 16.62
13	Do	6 11.39	28.25	17 17 46.19	4 24.81	23 5 37.9	4 13.1	71.01	16 16.73
14	Fr	5 43.14	28.54	17 22 11.00	4 25.11	23 9 51.0	3 45.4	71.05	16 16.84
15	Sa	5 14.60	28.81	17 26 36.11	4 25.37	23 13 36.4	3 17.7	71.09	16 16.95
16	St	4 45.79	29.05	17 31 1.48	4 25.60	23 16 54.1	2 49.8	71.13	16 17.05
17	Mo	4 16.74	29.25	17 35 27.08	4 25.81	23 19 43.9	2 21.8	71.16	16 17.14
18	Di	− 3 47.49	29.42	17 39 52.89	4 25.98	−23 22 5.7	1 53.8	71.19	16 17.23
19	Mi	3 18.07	29.57	17 44 18.87	4 26.13	23 23 59.5	1 25.7	71.21	16 17.31
20	Do	2 48.50	29.68	17 48 45.00	4 26.24	23 25 25.2	0 57.6	71.23	16 17.38
21	Fr	2 18.82	29.77	17 53 11.24	4 26.32	23 26 22.8	0 29.3	71.24	16 17.45
22	Sa	1 49.05	29.82	17 57 37.56	4 26.39	23 26 52.1	0 1.1	71.25	16 17.52
23	St	1 19.23	29.85	18 2 3.95	4 26.40	23 26 53.2	0 27.1	71.26	16 17.57
24	Mo	− 0 49.38	29.84	18 6 30.35	4 26.40	−23 26 26.1	0 55.4	71.26	16 17.62
25	Di	− 0 19.54	29.80	18 10 56.75	4 26.36	23 25 30.7	1 23.7	71.25	16 17.67
26	Mi	+ 0 10.26	29.73	18 15 23.11	4 26.29	23 24 7.0	1 51.9	71.24	16 17.71
27	Do	0 39.99	29.62	18 19 49.40	4 26.18	23 22 15.1	2 20.1	71.23	16 17.74
28	Fr	1 9.61	29.49	18 24 15.58	4 26.05	23 19 55.0	2 48.2	71.21	16 17.77
29	Sa	1 39.10	29.32	18 28 41.63	4 25.88	23 17 6.8	3 16.3	71.18	16 17.79
30	St	+ 2 8.42	29.12	18 33 7.51	4 25.68	−23 13 50.5	3 44.3	71.16	16 17.81
31	Mo	2 37.54	28.89	18 37 33.19	4 25.44	23 10 6.2	4 12.2	71.12	16 17.82
32	Di	+ 3 6.43		18 41 58.63		−23 5 54.0		71.08	16 17.83

Tag	Julian. Zeit	Sternzeit	Nutation in AR. langp. Gl.	Nutation in AR. kurzp. Gl.	Mittleres Äquinoktium 1934.0 Länge		Breite	log R		Aufgang	Untergang
										in {+50° Breite, 0h Länge}	
1934	2427	h m s	in 0.001 s		° ′ ″	′ ″	in 0.″01			h m	h m
Nov. 24	765.5	4 9 2.983	+788	+ 6	241 0 39.5	60 39.8	+ 74	9.994 3985	801	7 25	16 7
25	766.5	4 12 59.540	790	+10	242 1 19.3	60 41.4	+ 62	9.994 3184	781	7 27	16 6
26	767.5	4 16 56.098	792	+12	243 2 0.7	60 42.9	+ 51	9.994 2403	760	7 28	16 5
27	768.5	4 20 52.655	795	+13	244 2 43.6	60 44.4	+ 39	9.994 1643	740	7 30	16 4
28	769.5	4 24 49.213	797	+11	245 3 28.0	60 46.0	+ 27	9.994 0903	721	7 31	16 3
29	770.5	4 28 45.771	799	+ 7	246 4 14.0	60 47.5	+ 16	9.994 0182	703	7 33	16 3
30	771.5	4 32 42.329	+802	+ 2	247 5 1.5	60 48.9	+ 6	9.993 9479	685	7 34	16 2
Dez. 1	772.5	4 36 38.887	805	− 4	248 5 50.4	60 50.4	− 1	9.993 8794	668	7 36	16 2
2	773.5	4 40 35.445	807	−10	249 6 40.8	60 51.8	− 7	9.993 8126	653	7 37	16 1
3	774.5	4 44 32.003	810	−15	250 7 32.6	60 53.1	− 10	9.993 7473	637	7 38	16 1
4	775.5	4 48 28.561	813	−18	251 8 25.7	60 54.4	− 11	9.993 6836	624	7 39	16 0
5	776.5	4 52 25.120	816	−17	252 9 20.1	60 55.6	− 7	9.993 6212	610	7 41	16 0
6	777.5	4 56 21.678	+819	−13	253 10 15.7	60 56.6	− 1	9.993 5602	597	7 42	15 59
7	778.5	5 0 18.236	822	− 7	254 11 12.3	60 57.6	+ 8	9.993 5005	583	7 43	15 59
8	779.5	5 4 14.795	825	+ 1	255 12 9.9	60 58.5	+ 19	9.993 4422	570	7 44	15 59
9	780.5	5 8 11.353	828	+ 8	256 13 8.4	60 59.2	+ 31	9.993 3852	555	7 45	15 59
10	781.5	5 12 7.912	831	+13	257 14 7.6	60 59.9	+ 45	9.993 3297	540	7 47	15 58
11	782.5	5 16 4.470	834	+15	258 15 7.5	61 0.4	+ 59	9.993 2757	523	7 48	15 58
12	783.5	5 20 1.029	+837	+14	259 16 7.9	61 1.0	+ 72	9.993 2234	504	7 49	15 58
13	784.5	5 23 57.587	841	+ 9	260 17 8.9	61 1.5	+ 84	9.993 1730	484	7 50	15 58
14	785.5	5 27 54.146	844	+ 3	261 18 10.4	61 1.8	+ 93	9.993 1246	463	7 51	15 58
15	786.5	5 31 50.705	847	− 3	262 19 12.2	61 2.3	+ 99	9.993 0783	439	7 51	15 59
16	787.5	5 35 47.263	851	− 9	263 20 14.5	61 2.8	+102	9.993 0344	414	7 52	15 59
17	788.5	5 39 43.822	854	−10	264 21 17.3	61 3.1	+103	9.992 9930	388	7 53	15 59
18	789.5	5 43 40.381	+858	−10	265 22 20.4	61 3.6	+100	9.992 9542	362	7 54	15 59
19	790.5	5 47 36.940	861	− 6	266 23 24.0	61 4.1	+ 94	9.992 9180	335	7 54	16 0
20	791.5	5 51 33.499	864	− 1	267 24 28.1	61 4.5	+ 86	9.992 8845	307	7 55	16 0
21	792.5	5 55 30.057	868	+ 4	268 25 32.6	61 5.0	+ 76	9.992 8538	280	7 55	16 1
22	793.5	5 59 26.616	871	+ 9	269 26 37.6	61 5.6	+ 64	9.992 8258	252	7 56	16 1
23	794.5	6 3 23.175	875	+12	270 27 43.2	61 6.1	+ 51	9.992 8006	225	7 56	16 2
24	795.5	6 7 19.734	+878	+13	271 28 49.3	61 6.6	+ 37	9.992 7781	198	7 57	16 2
25	796.5	6 11 16.293	882	+12	272 29 55.9	61 7.2	+ 25	9.992 7583	172	7 57	16 3
26	797.5	6 15 12.852	885	+ 8	273 31 3.1	61 7.7	+ 13	9.992 7411	147	7 58	16 3
27	798.5	6 19 9.410	889	+ 3	274 32 10.8	61 8.2	+ 2	9.992 7264	122	7 58	16 4
28	799.5	6 23 5.969	892	− 3	275 33 19.0	61 8.7	− 7	9.992 7142	99	7 58	16 5
29	800.5	6 27 2.528	895	− 9	276 34 27.7	61 9.1	− 14	9.992 7043	76	7 58	16 6
30	801.5	6 30 59.087	+899	−14	277 35 36.8	61 9.6	− 18	9.992 6967	54	7 59	16 6
31	802.5	6 34 55.645	902	−18	278 36 46.4	61 10.0	− 20	9.992 6913	34	7 59	16 7
32	803.5	6 38 52.204	+906	−18	279 37 56.4		− 17	9.992 6879		7 59	16 8

0h Welt-Zeit	Mittleres Äquinoktium 1934.0											
	X			ΔX*)	Y			ΔY*)	Z			ΔZ*)
1934												
Jan. 0	+0.151 728	+17 249	− 47	+1	−0.891 266	+ 2 627	+276	−5	−0.386 569	+1 139	+119	−4
1	0.168 977	17 196	53	−1	0.888 639	2 902	275	−4	0.385 430	1 258	119	−4
2	0.186 173	17 140	56	+4	0.885 737	3 177	275	+1	0.384 172	1 377	119	−1
3	0.203 313	17 076	64	−4	0.882 560	3 451	274	+1	0.382 795	1 496	119	+2
4	0.220 389	17 010	66	+4	0.879 109	3 723	272	−2	0.381 299	1 615	119	+2
5	0.237 399	16 936	74	−4	0.875 386	3 995	272	+1	0.379 684	1 732	117	−5
6	+0.254 335	+16 859	− 77	+2	−0.871 391	+ 4 266	+271	+2	−0.377 952	+1 849	+117	−4
7	0.271 194	16 776	83	+2	0.867 125	4 536	270	0	0.376 103	1 967	118	+3
8	0.287 970	16 688	88	+3	0.862 589	4 804	268	−5	0.374 136	2 083	116	0
9	0.304 658	16 595	93	+4	0.857 785	5 071	267	−5	0.372 053	2 200	117	+4
10	0.321 253	16 496	99	+2	0.852 714	5 338	267	−1	0.369 853	2 315	115	−1
11	0.337 749	16 393	103	+5	0.847 376	5 602	264	−5	0.367 538	2 430	115	−2
12	+0.354 142	+16 283	−110	0	−0.841 774	+ 5 865	+263	−2	−0.365 108	+2 544	+114	−2
13	0.370 425	16 169	114	+2	0.835 909	6 127	262	+3	0.362 564	2 658	114	+2
14	0.386 594	16 048	121	−4	0.829 782	6 387	260	+4	0.359 906	2 771	113	+2
15	0.402 642	15 922	126	−4	0.823 395	6 645	258	+2	0.357 135	2 882	111	−1
16	0.418 564	15 791	131	0	0.816 750	6 899	254	−4	0.354 253	2 994	112	+4
17	0.434 355	15 656	135	+4	0.809 851	7 153	254	+2	0.351 259	3 103	109	−3
18	+0.450 011	+15 513	−143	−4	−0.802 698	+ 7 402	+249	−4	−0.348 156	+3 211	+108	−2
19	0.465 524	15 368	145	+3	0.795 296	7 651	249	+3	0.344 945	3 319	108	+3
20	0.480 892	15 216	152	−3	0.787 645	7 894	243	−4	0.341 626	3 425	106	0
21	0.496 108	15 061	155	+1	0.779 751	8 137	243	+4	0.338 201	3 529	104	−2
22	0.511 169	14 900	161	−2	0.771 614	8 376	239	0	0.334 672	3 633	104	+4
23	0.526 069	14 736	164	+3	0.763 238	8 611	235	−4	0.331 039	3 736	103	+4
24	+0.540 805	+14 568	−168	+4	−0.754 627	+ 8 845	+234	+1	−0.327 303	+3 836	+100	−4
25	0.555 373	14 394	174	−2	0.745 782	9 074	229	−3	0.323 467	3 936	100	−3
26	0.569 767	14 218	176	+3	0.736 708	9 302	228	+4	0.319 531	4 034	98	−5
27	0.583 985	14 036	182	−3	0.727 406	9 526	224	+3	0.315 497	4 131	97	−3
28	0.598 021	13 852	184	+2	0.717 880	9 747	221	+3	0.311 366	4 227	96	−1
29	0.611 873	13 662	190	−4	0.708 133	9 965	218	+3	0.307 139	4 321	94	−1
30	+0.625 535	+13 469	−193	−1	−0.698 168	+10 180	+215	+3	−0.302 818	+4 415	+ 94	+5
31	0.639 004	13 273	196	+5	0.687 988	10 392	212	+4	0.298 403	4 507	92	+3
Febr. 1	0.652 277	13 073	200	+3	0.677 596	10 601	209	+4	0.293 896	4 597	90	−1
2	0.665 350	12 868	205	−4	0.666 995	10 806	205	+1	0.289 299	4 687	90	+1
3	0.678 218	12 660	208	−3	0.656 189	11 009	203	+5	0.284 612	4 774	87	−4
4	0.690 878	12 448	212	−2	0.645 180	11 208	199	+4	0.279 838	4 861	87	−1
5	+0.703 326	+12 233	−215	+2	−0.633 972	+11 405	+197	+5	−0.274 977	+4 946	+ 85	−1
6	0.715 559	12 013	220	−1	0.622 567	11 597	192	−3	0.270 031	5 030	84	0
7	0.727 572	11 791	222	+2	0.610 970	11 786	189	−1	0.265 001	5 112	82	−2
8	0.739 363	11 563	228	−4	0.599 184	11 973	187	+4	0.259 889	5 193	81	0
9	0.750 926	+11 333	230	+1	0.587 211	+12 155	182	−2	0.254 696	+5 272	79	+1
10	+0.762 259		−235	−2	−0.575 056		+178	−4	−0.249 424		+ 78	+4

*) ΔX, ΔY, ΔZ sind in Einheiten der 7. Dezimale gegeben.

0^h Welt-Zeit	Mittleres Äquinoktium 1934.0											
	X			*ΔX**)	*Y*			*ΔY**)	*Z*			*ΔZ**)
1934												
Febr. 10	+0.762 259	+11 098	−235	−2	−0.575 056	+12 333	+178	−4	−0.249 424	+5 350	+78	+4
11	0.773 357	10 860	238	−1	0.562 723	12 508	175	0	0.244 074	5 426	76	+4
12	0.784 217	10 618	242	−3	0.550 215	12 679	171	+2	0.238 648	5 500	74	+2
13	0.794 835	10 372	246	−3	0.537 536	12 845	166	+1	0.233 148	5 572	72	+1
14	0.805 207	10 124	248	+2	0.524 691	13 008	163	+4	0.227 576	5 643	71	+3
15	0.815 331	9 872	252	−2	0.511 683	13 165	157	0	0.221 933	5 711	68	−2
16	+0.825 203	+ 9 617	−255	−4	−0.498 518	+13 319	+154	+4	−0.216 222	+5 777	+66	−3
17	0.834 820	9 359	258	−5	0.485 199	13 467	148	0	0.210 445	5 841	64	−1
18	0.844 179	9 099	260	−4	0.471 732	13 611	144	+1	0.204 604	5 904	63	+4
19	0.853 278	8 836	263	−5	0.458 121	13 751	140	+2	0.198 700	5 965	61	+3
20	0.862 114	8 571	265	−2	0.444 370	13 886	135	−1	0.192 735	6 022	57	−4
21	0.870 685	8 304	267	+2	0.430 484	14 016	130	−5	0.186 713	6 079	57	+3
22	+0.878 989	+ 8 036	−268	+5	−0.416 468	+14 142	+126	−3	−0.180 634	+6 134	+55	+4
23	0.887 025	7 764	272	−2	0.402 326	14 264	122	−1	0.174 500	6 186	52	0
24	0.894 789	7 491	273	0	0.388 062	14 381	117	−3	0.168 314	6 237	51	+2
25	0.902 280	7 216	275	+2	0.373 681	14 493	112	−3	0.162 077	6 286	49	+3
26	0.909 496	6 940	276	+5	0.359 188	14 602	109	+4	0.155 791	6 333	47	+1
27	0.916 436	6 662	278	+3	0.344 586	14 706	104	+4	0.149 458	6 377	44	−3
28	+0.923 098	+ 6 382	−280	0	−0.329 880	+14 806	+100	+3	−0.143 081	+6 421	+44	+4
März 1	0.929 480	6 101	281	0	0.315 074	14 900	94	−3	0.136 660	6 463	42	+3
2	0.935 581	5 817	284	−4	0.300 174	14 992	92	+3	0.130 197	6 501	38	−4
3	0.941 398	5 534	283	+4	0.285 182	15 078	86	−3	0.123 696	6 540	39	+3
4	0.946 932	5 248	286	−1	0.270 104	15 160	82	−2	0.117 156	6 575	35	−4
5	0.952 180	4 960	288	−3	0.254 944	15 238	78	+2	0.110 581	6 609	34	−2
6	+0.957 140	+ 4 672	−288	+3	−0.239 706	+15 312	+ 74	+4	−0.103 972	+6 641	+32	0
7	0.961 812	4 382	290	+3	0.224 394	15 381	69	+3	0.097 331	6 672	31	+2
8	0.966 194	4 090	292	+1	0.209 013	15 446	65	+4	0.090 659	6 699	27	−4
9	0.970 284	3 797	293	+1	0.193 567	15 506	60	+1	0.083 960	6 726	27	+1
10	0.974 081	3 503	294	+2	0.178 061	15 561	55	−3	0.077 234	6 750	24	−2
11	0.977 584	3 207	296	0	0.162 500	15 612	51	−2	0.070 484	6 772	22	−3
12	+0.980 791	+ 2 911	−296	+2	−0.146 888	+15 657	+ 45	−5	−0.063 712	+6 791	+19	−3
13	0.983 702	2 613	298	−2	0.131 231	15 698	41	−2	0.056 921	6 810	19	+4
14	0.986 315	2 314	299	−3	0.115 533	15 733	35	−3	0.050 111	6 824	14	−2
15	0.988 629	2 015	299	0	0.099 800	15 764	31	+1	0.043 287	6 838	14	+5
16	0.990 644	1 716	299	+3	0.084 036	15 789	25	−2	0.036 449	6 849	11	+3
17	0.992 360	1 416	300	+2	0.068 247	15 809	20	−1	0.029 600	6 857	8	0
18	+0.993 776	+ 1 117	−299	+5	−0.052 438	+15 825	+ 16	+2	−0.022 743	+6 864	+ 7	+4
19	0.994 893	817	300	+1	0.036 613	15 834	9	−4	0.015 879	6 868	4	+1
20	0.995 710	518	299	+2	0.020 779	15 840	+ 6	0	0.009 011	6 870	+ 2	−1
21	0.996 228	+ 220	298	+3	−0.004 939	15 839	− 1	−5	−0.002 141	6 870	0	−2
22	0.996 448	− 79	299	−3	+0.010 900	+15 835	4	+1	+0.004 729	+6 868	− 2	−2
23	+0.996 369		−298	−2	+0.026 735		− 9	+2	+0.011 597		− 5	−4

*) *ΔX*, *ΔY*, *ΔZ* sind in Einheiten der 7. Dezimale gegeben.

0^h Welt-Zeit	Mittleres Äquinoktium 1934.0											
	X			ΔX*)	Y			ΔY*)	Z			ΔZ
1934												
März 23	+0.996 369	−377	−298	−2	+0.026 735	+15826	−9	+2	+0.011 597	+6863	−5	−4
24	0.995 992	673	296	+3	0.042 561	15812	14	+1	0.018 460	6858	5	+2
25	0.995 319	970	297	−2	0.058 373	15793	19	0	0.025 318	6849	9	−3
26	0.994 349	1265	295	−1	0.074 166	15770	23	+3	0.032 167	6839	10	+1
27	0.993 084	1560	295	−4	0.089 936	15743	27	+4	0.039 006	6828	11	+4
28	0.991 524	1854	294	−2	0.105 679	15710	33	−2	0.045 834	6813	15	−3
29	+0.989 670	−2146	−292	+2	+0.121 389	+15674	−36	+1	+0.052 647	+6797	−16	0
30	0.987 524	2438	292	0	0.137 063	15633	41	−2	0.059 444	6780	17	+5
31	0.985 086	2729	291	+1	0.152 696	15587	46	−4	0.066 224	6761	19	+5
April 1	0.982 357	3018	289	+5	0.168 283	15539	48	+3	0.072 985	6739	22	0
2	0.979 339	3307	289	+2	0.183 822	15484	55	−3	0.079 724	6716	23	+2
3	0.976 032	3595	288	+2	0.199 306	15427	57	+5	0.086 440	6692	24	+4
4	+0.972 437	−3881	−286	+4	+0.214 733	+15365	−62	+4	+0.093 132	+6664	−28	−3
5	0.968 556	4168	287	−2	0.230 098	15299	66	+2	0.099 796	6636	28	+2
6	0.964 388	4452	284	+4	0.245 397	15227	72	−4	0.106 432	6605	31	0
7	0.959 936	4736	284	+2	0.260 624	15152	75	+1	0.113 037	6573	32	+2
8	0.955 200	5018	282	+4	0.275 776	15072	80	+1	0.119 610	6538	35	−2
9	0.950 182	5299	281	+4	0.290 848	14988	84	+3	0.126 148	6501	37	−2
10	+0.944 883	−5578	−279	+3	+0.305 836	+14899	−89	+2	+0.132 649	+6463	−38	+1
11	0.939 305	5856	278	−3	0.320 735	14805	94	0	0.139 112	6422	41	−2
12	0.933 449	6132	276	−5	0.335 540	14706	99	−1	0.145 534	6379	43	−1
13	0.927 317	6406	274	−5	0.350 246	14604	102	+4	0.151 913	6334	45	+1
14	0.920 911	6678	272	−4	0.364 850	14496	108	−1	0.158 247	6288	46	+4
15	0.914 233	6946	268	+3	0.379 346	14384	112	−1	0.164 535	6239	49	+1
16	+0.907 287	−7213	−267	−1	+0.393 730	+14268	−116	0	+0.170 774	+6188	−51	+1
17	0.900 074	7477	264	−2	0.407 998	14147	121	−2	0.176 962	6136	52	+3
18	0.892 597	7738	261	−2	0.422 145	14023	124	+1	0.183 098	6082	54	0
19	0.884 859	7997	259	−3	0.436 168	13894	129	−2	0.189 180	6026	56	−3
20	0.876 862	8252	255	+2	0.450 062	13761	133	−2	0.195 206	5968	58	−4
21	0.868 610	8505	253	+2	0.463 823	13625	136	+2	0.201 174	5909	59	−2
22	+0.860 105	−8754	−249	+4	+0.477 448	+13485	−140	+1	+0.207 083	+5848	−61	−2
23	0.851 351	9001	247	−2	0.490 933	13341	144	−1	0.212 931	5785	63	−2
24	0.842 350	9245	244	−5	0.504 274	13193	148	−2	0.218 716	5722	63	+4
25	0.833 105	9486	241	−3	0.517 467	13043	150	+2	0.224 438	5656	66	+2
26	0.823 619	9723	237	+2	0.530 510	12888	155	−3	0.230 094	5590	66	+5
27	0.813 896	9958	235	0	0.543 398	12730	158	−1	0.235 684	5521	69	0
28	+0.803 938	−10189	−231	+4	+0.556 128	+12570	−160	+5	+0.241 205	+5452	−69	+4
29	0.793 749	10417	228	+5	0.568 698	12406	164	+4	0.246 657	5381	71	+1
30	0.783 332	10643	226	0	0.581 104	12239	167	+2	0.252 038	5308	73	−2
Mai 1	0.772 689	10865	222	0	0.593 343	12069	170	0	0.257 346	5235	73	+2
2	0.761 824	−11086	221	−4	0.605 412	+11895	174	−5	0.262 581	+5160	75	−1
3	+0.750 738		−216	+4	+0.617 307		−177	−4	+0.267 741		−77	−4

*) ΔX, ΔY, ΔZ sind in Einheiten der 7. Dezimale gegeben.

0h Welt-Zeit	Mittleres Äquinoktium 1934.0											
	X			ΔX*)	Y			ΔY*)	Z			ΔZ*)
1934												
Mai 3	+0.750 738	−11 302	−216	+4	+0.617 307	+11 718	−177	−4	+0.267 741	+5 083	− 77	−4
4	0.739 436	11 516	214	+3	0.629 025	11 538	180	0	0.272 824	5 005	78	−1
5	0.727 920	11 726	210	+5	0.640 563	11 356	182	+4	0.277 829	4 926	79	+2
6	0.716 194	11 934	208	0	0.651 919	11 168	188	−4	0.282 755	4 845	81	−1
7	0.704 260	12 138	204	0	0.663 087	10 978	190	+1	0.287 600	4 762	83	−3
8	0.692 122	12 339	201	−2	0.674 065	10 785	193	+5	0.292 362	4 679	83	+1
9	+0.679 783	−12 536	−197	0	+0.684 850	+10 589	−196	+5	+0.297 041	+4 593	− 86	−5
10	0.667 247	12 729	193	0	0.695 439	10 389	200	0	0.301 634	4 506	87	−4
11	0.654 518	12 919	190	−4	0.705 828	10 185	204	−3	0.306 140	4 418	88	−1
12	0.641 599	13 104	185	−2	0.716 013	9 979	206	+2	0.310 558	4 328	90	0
13	0.628 495	13 286	182	−5	0.725 992	9 771	208	+5	0.314 886	4 238	90	+4
14	0.615 209	13 463	177	−2	0.735 763	9 558	213	−3	0.319 124	4 145	93	−1
15	+0.601 746	−13 635	−172	+1	+0.745 321	+ 9 343	−215	−1	+0.323 269	+4 052	− 93	+3
16	0.588 111	13 804	169	−4	0.754 664	9 126	217	+3	0.327 321	3 958	94	+4
17	0.574 307	13 969	165	−5	0.763 790	8 907	219	+5	0.331 279	3 863	95	+3
18	0.560 338	14 128	159	+3	0.772 697	8 684	223	−2	0.335 142	3 766	97	−2
19	0.546 210	14 283	155	+4	0.781 381	8 460	224	0	0.338 908	3 668	98	−2
20	0.531 927	14 434	151	+2	0.789 841	8 233	227	−1	0.342 576	3 571	97	+4
21	+0.517 493	−14 581	−147	0	+0.798 074	+ 8 005	−228	+3	+0.346 147	+3 471	−100	−2
22	0.502 912	14 722	141	+4	0.806 079	7 774	231	+1	0.349 618	3 371	100	0
23	0.488 190	14 861	139	−3	0.813 853	7 542	232	+3	0.352 989	3 271	100	+4
24	0.473 329	14 993	132	+3	0.821 395	7 308	234	+1	0.356 260	3 169	102	+1
25	0.458 336	15 123	130	−2	0.828 703	7 072	236	−2	0.359 429	3 067	102	+3
26	0.443 213	15 247	124	+4	0.835 775	6 835	237	0	0.362 496	2 965	102	+4
27	+0.427 966	−15 367	−120	+4	+0.842 610	+ 6 596	−239	−1	+0.365 461	+2 861	−104	−1
28	0.412 599	15 483	116	+1	0.849 206	6 356	240	+1	0.368 322	2 757	104	0
29	0.397 116	15 596	113	−5	0.855 562	6 114	242	+1	0.371 079	2 653	104	+1
30	0.381 520	15 704	108	−3	0.861 676	5 872	242	+5	0.373 732	2 547	106	−5
31	0.365 816	15 808	104	−2	0.867 548	5 627	245	0	0.376 279	2 441	106	−4
Juni 1	0.350 008	15 908	100	−2	0.873 175	5 380	247	−3	0.378 720	2 334	107	−3
2	+0.334 100	−16 004	− 96	−3	+0.878 555	+ 5 132	−248	0	+0.381 054	+2 227	−107	+1
3	0.318 096	16 096	92	−2	0.883 687	4 883	249	+4	0.383 281	2 119	108	0
4	0.302 000	16 182	86	+4	0.888 570	4 632	251	+4	0.385 400	2 009	110	−4
5	0.285 818	16 266	84	−2	0.893 202	4 380	252	+4	0.387 409	1 900	109	+2
6	0.269 552	16 343	77	+5	0.897 582	4 125	255	−2	0.389 309	1 790	110	+2
7	0.253 209	16 416	73	+3	0.901 707	3 869	256	−1	0.391 099	1 679	111	−1
8	+0.236 793	−16 485	− 69	−2	+0.905 576	+ 3 613	−256	+4	+0.392 778	+1 567	−112	−4
9	0.220 308	16 548	63	0	0.909 189	3 355	258	+1	0.394 345	1 455	112	−4
10	0.203 760	16 607	59	−3	0.912 544	3 095	260	−1	0.395 800	1 342	113	−5
11	0.187 153	16 660	53	−1	0.915 639	2 836	259	+5	0.397 142	1 230	112	0
12	0.170 493	−16 709	49	−5	0.918 475	+ 2 575	261	+1	0.398 372	+1 116	114	−4
13	+0.153 784		− 43	−2	+0.921 050		−262	−1	+0.399 488		−113	0

*) ΔX, ΔY, ΔZ sind in Einheiten der 7. Dezimale gegeben.

0^h Welt-Zeit	Mittleres Äquinoktium 1934.0											
	X			ΔX*)	Y			ΔY*)	Z			ΔZ*)
1934												
Juni 13	+0.153 784	−16 752	− 43	−2	+0.921 050	+2 313	−262	−1	+0.399 488	+1 003	−113	0
14	0.137 032	16 791	39	−3	0.923 363	2 052	261	+2	0.400 491	889	114	−2
15	0.120 241	16 824	33	+2	0.925 415	1 789	263	−4	0.401 380	775	114	−1
16	0.103 417	16 852	28	+4	0.927 204	1 526	263	−4	0.402 155	661	114	+2
17	0.086 565	16 875	23	+4	0.928 730	1 263	263	−1	0.402 816	548	113	+5
18	0.069 690	16 894	19	0	0.929 993	1 000	263	+2	0.403 364	433	115	−2
19	+0.052 796	−16 907	− 13	+2	+0.930 993	+ 738	−262	+4	+0.403 797	+ 319	−114	+1
20	0.035 889	16 916	9	0	0.931 731	474	264	−4	0.404 116	206	113	+3
21	0.018 973	16 919	− 3	+1	0.932 205	+ 212	262	0	0.404 322	+ 91	115	−3
22	+0.002 054	16 919	0	−4	0.932 417	− 51	263	−3	0.404 413	− 22	113	+4
23	−0.014 865	16 913	+ 6	+2	0.932 366	313	262	0	0.404 391	135	113	+4
24	0.031 778	16 903	10	+3	0.932 053	574	261	+4	0.404 256	249	114	−1
25	−0.048 681	−16 888	+ 15	+5	+0.931 479	− 835	−261	+3	+0.404 007	− 362	−113	+1
26	0.065 569	16 869	19	+2	0.930 644	1 095	260	+3	0.403 645	474	112	+3
27	0.082 438	16 846	23	−2	0.929 549	1 356	261	−4	0.403 171	588	114	−3
28	0.099 284	16 819	27	−4	0.928 193	1 616	260	−3	0.402 583	700	112	+3
29	0.116 103	16 787	32	−1	0.926 577	1 875	259	0	0.401 883	812	112	+2
30	0.132 890	16 751	36	−1	0.924 702	2 135	260	−1	0.401 071	925	113	−3
Juli 1	−0.149 641	−16 710	+ 41	0	+0.922 567	−2 393	−258	+5	+0.400 146	−1 038	−113	−3
2	0.166 351	16 666	44	−3	0.920 174	2 652	259	+1	0.399 108	1 149	111	+3
3	0.183 017	16 615	51	+4	0.917 522	2 910	258	+1	0.397 959	1 262	113	−2
4	0.199 632	16 561	54	−1	0.914 612	3 168	258	−1	0.396 697	1 374	112	+1
5	0.216 193	16 502	59	0	0.911 444	3 425	257	−1	0.395 323	1 485	111	+3
6	0.232 695	16 437	65	+5	0.908 019	3 682	257	−4	0.393 838	1 597	112	−2
7	−0.249 132	−16 368	+ 69	+2	+0.904 337	−3 938	−256	−1	+0.392 241	−1 708	−111	0
8	0.265 500	16 294	74	+1	0.900 399	4 192	254	+5	0.390 533	1 819	111	0
9	0.281 794	16 215	79	+2	0.896 207	4 445	253	+4	0.388 714	1 928	109	+4
10	0.298 009	16 131	84	+3	0.891 762	4 699	254	−4	0.386 786	2 038	110	−2
11	0.314 140	16 042	89	+2	0.887 063	4 949	250	+4	0.384 748	2 148	110	−4
12	0.330 182	15 949	93	−2	0.882 114	5 199	250	+1	0.382 600	2 255	107	+4
13	−0.346 131	−15 850	+ 99	0	+0.876 915	−5 447	−248	+2	+0.380 345	−2 364	−109	−3
14	0.361 981	15 748	102	−5	0.871 468	5 693	246	+2	0.377 981	2 470	106	+4
15	0.377 729	15 640	108	0	0.865 775	5 939	246	−4	0.375 511	2 576	106	+3
16	0.393 369	15 527	113	+2	0.859 836	6 180	241	+4	0.372 935	2 681	105	+2
17	0.408 896	15 411	116	−3	0.853 656	6 422	242	−4	0.370 254	2 786	105	−3
18	0.424 307	15 290	121	−1	0.847 234	6 661	239	0	0.367 468	2 889	103	−1
19	−0.439 597	−15 164	+126	+2	+0.840 573	−6 897	−236	+4	+0.364 579	−2 992	−103	−3
20	0.454 761	15 034	130	0	0.833 676	7 132	235	0	0.361 587	3 093	101	0
21	0.469 795	14 901	133	−5	0.826 544	7 363	231	+4	0.358 494	3 194	101	−1
22	0.484 696	14 763	138	−2	0.819 181	7 594	231	−4	0.355 300	3 293	99	+3
23	0.499 459	−14 622	141	−2	0.811 587	−7 822	228	−2	0.352 007	−3 392	99	0
24	−0.514 081		+146	+4	+0.803 765		−224	+5	+0.348 615		− 97	+1

*) ΔX, ΔY, ΔZ sind in Einheiten der 7. Dezimale gegeben.

0h Welt-Zeit	Mittleres Äquinoktium 1934.0											
	X			ΔX*)	Y			ΔY*)	Z			ΔZ*)
1934												
Juli 24	−0.514 081	−14 476	+146	+4	+0.803 765	− 8 046	−224	+5	+0.348 615	−3 489	− 97	+1
25	0.528 557	14 327	149	+3	0.795 719	8 269	223	0	0.345 126	3 586	97	−3
26	0.542 884	14 175	152	+1	0.787 450	8 491	222	−5	0.341 540	3 682	96	−3
27	0.557 059	14 018	157	+5	0.778 959	8 709	218	+1	0.337 858	3 777	95	0
28	0.571 077	13 859	159	0	0.770 250	8 926	217	−3	0.334 081	3 870	93	+4
29	0.584 936	13 695	164	+4	0.761 324	9 141	215	−3	0.330 211	3 964	94	−4
30	−0.598 631	−13 527	+168	+5	+0.752 183	− 9 353	−212	+2	+0.326 247	−4 057	− 93	−4
31	0.612 158	13 356	171	+1	0.742 830	9 564	211	0	0.322 190	4 147	90	+4
Aug. 1	0.625 514	13 180	176	+2	0.733 266	9 771	207	+5	0.318 043	4 238	91	−2
2	0.638 694	13 001	179	−3	0.723 495	9 977	206	0	0.313 805	4 328	90	−2
3	0.651 695	12 818	183	−2	0.713 518	10 181	204	−3	0.309 477	4 415	87	+4
4	0.664 513	12 630	188	+3	0.703 337	10 381	200	+3	0.305 062	4 503	88	−3
5	−0.677 143	−12 438	+192	+4	+0.692 956	−10 578	−197	+3	+0.300 559	−4 589	− 86	0
6	0.689 581	12 243	195	+1	0.682 378	10 774	196	−4	0.295 970	4 673	84	+4
7	0.701 824	12 043	200	+3	0.671 604	10 965	191	+2	0.291 297	4 757	84	+1
8	0.713 867	11 841	202	−2	0.660 639	11 154	189	−1	0.286 540	4 838	81	+5
9	0.725 708	11 633	208	+3	0.649 485	11 340	186	−2	0.281 702	4 919	81	−1
10	0.737 341	11 423	210	−3	0.638 145	11 521	181	+3	0.276 783	4 998	79	−1
11	−0.748 764	−11 210	+213	−4	+0.626 624	−11 701	−180	−5	+0.271 785	−5 076	− 78	−1
12	0.759 974	10 991	219	+4	0.614 923	11 877	176	−4	0.266 709	5 152	76	+2
13	0.770 965	10 771	220	−2	0.603 046	12 048	171	+3	0.261 557	5 226	74	+5
14	0.781 736	10 547	224	+1	0.590 998	12 216	168	+1	0.256 331	5 299	73	+4
15	0.792 283	10 319	228	+4	0.578 782	12 381	165	−3	0.251 032	5 370	71	+5
16	0.802 602	10 089	230	−1	0.566 401	12 542	161	−2	0.245 662	5 440	70	+3
17	−0.812 691	− 9 857	+232	−3	+0.553 859	−12 699	−157	−1	+0.240 222	−5 507	− 67	+4
18	0.822 548	9 620	237	+4	0.541 160	12 852	153	−1	0.234 715	5 574	67	−4
19	0.832 168	9 382	238	−1	0.528 308	13 002	150	−3	0.229 141	5 639	65	−5
20	0.841 550	9 142	240	−3	0.515 306	13 147	145	0	0.223 502	5 702	63	−2
21	0.850 692	8 898	244	+2	0.502 159	13 290	143	−4	0.217 800	5 763	61	0
22	0.859 590	8 653	245	−3	0.488 869	13 427	137	+3	0.212 037	5 823	60	−2
23	−0.868 243	− 8 406	+247	−5	+0.475 442	−13 562	−135	−2	+0.206 214	−5 882	− 59	−3
24	0.876 649	8 156	250	−2	0.461 880	13 694	132	−3	0.200 332	5 938	56	+1
25	0.884 805	7 904	252	−1	0.448 186	13 821	127	+4	0.194 394	5 994	56	−4
26	0.892 709	7 650	254	−1	0.434 365	13 945	124	+4	0.188 400	6 048	54	−3
27	0.900 359	7 393	257	0	0.420 420	14 066	121	+2	0.182 352	6 101	53	−1
28	0.907 752	7 135	258	−3	0.406 354	14 183	117	+4	0.176 251	6 151	50	+5
29	−0.914 887	− 6 873	+262	+4	+0.392 171	−14 296	−113	+5	+0.170 100	−6 200	− 49	+3
30	0.921 760	6 609	264	+5	0.377 875	14 406	110	+1	0.163 900	6 249	49	−2
31	0.928 369	6 342	267	+5	0.363 469	14 512	106	0	0.157 651	6 294	45	+4
Sept. 1	0.934 711	6 074	268	−2	0.348 957	14 613	101	+2	0.151 357	6 339	45	−1
2	0.940 785	− 5 803	271	−3	0.334 344	−14 712	99	−4	0.145 018	−6 381	42	+2
3	−0.946 588		+272	−5	+0.319 632		− 92	+4	+0.138 637		− 41	0

*) ΔX, ΔY, ΔZ sind in Einheiten der 7. Dezimale gegeben.

0h Welt-Zeit	Mittleres Äquinoktium 1934.0											
	X			*ΔX**)	*Y*			*ΔY**)	*Z*			*ΔZ**)
1934												
Sept. 3	−0.946 588	−5 531	+272	−5	+0.319 632	−14 804	−92	+4	+0.138 637	−6 422	−41	0
4	0.952 119	5 255	276	+3	0.304 828	14 895	91	−4	0.132 215	6 461	39	+1
5	0.957 374	4 978	277	+3	0.289 933	14 979	84	+4	0.125 754	6 497	36	+5
6	0.962 352	4 698	280	+4	0.274 954	15 059	80	+5	0.119 257	6 532	35	0
7	0.967 050	4 418	280	−4	0.259 895	15 135	76	+3	0.112 725	6 566	34	−3
8	0.971 468	4 136	282	−5	0.244 760	15 207	72	−1	0.106 159	6 596	30	+4
9	−0.975 604	−3 852	+284	−1	+0.229 553	−15 274	−67	0	+0.099 563	−6 625	−29	+2
10	0.979 456	3 566	286	+4	0.214 279	15 336	62	+3	0.092 938	6 652	27	+1
11	0.983 022	3 279	287	+3	0.198 943	15 393	57	+4	0.086 286	6 677	25	0
12	0.986 301	2 992	287	−1	0.183 550	15 446	53	0	0.079 609	6 699	22	+2
13	0.989 293	2 703	289	+3	0.168 104	15 495	49	−3	0.072 910	6 721	22	−4
14	0.991 996	2 413	290	+4	0.152 609	15 537	42	+4	0.066 189	6 739	18	+4
15	−0.994 409	−2 123	+290	−1	+0.137 072	−15 576	−39	−1	+0.059 450	−6 755	−16	+5
16	0.996 532	1 833	290	−4	0.121 496	15 610	34	−1	0.052 695	6 770	15	0
17	0.998 365	1 542	291	0	0.105 886	15 639	29	−1	0.045 925	6 782	12	+1
18	0.999 907	1 250	292	+4	0.090 247	15 664	25	−4	0.039 143	6 794	12	−4
19	1.001 157	959	291	+1	0.074 583	15 685	21	−5	0.032 349	6 802	8	+4
20	1.002 116	667	292	+4	0.058 898	15 700	15	0	0.025 547	6 809	7	+3
21	−1.002 783	− 375	+292	+3	+0.043 198	−15 713	−13	−4	+0.018 738	−6 814	− 5	+3
22	1.003 158	− 84	291	−2	0.027 485	15 719	6	+4	0.011 924	6 817	3	+1
23	1.003 242	+ 209	293	+3	+0.011 766	15 723	− 4	−2	+0.005 107	6 819	− 2	−4
24	1.003 033	501	292	−1	−0.003 957	15 722	+ 1	0	−0.001 712	6 819	0	−4
25	1.002 532	793	292	−1	0.019 679	15 717	5	0	0.008 531	6 817	+ 2	−2
26	1.001 739	1 087	294	+4	0.035 396	15 707	10	+2	0.015 348	6 813	4	+2
27	−1.000 652	+1 380	+293	−1	−0.051 103	−15 694	+13	−1	−0.022 161	−6 807	+ 6	+4
28	0.999 272	1 673	293	−4	0.066 797	15 675	19	+4	0.028 968	6 799	8	+5
29	0.997 599	1 966	293	−4	0.082 472	15 652	23	+2	0.035 767	6 789	10	+4
30	0.995 633	2 260	294	−2	0.098 124	15 625	27	0	0.042 556	6 777	12	+1
Okt. 1	0.993 373	2 553	293	−4	0.113 749	15 592	33	+3	0.049 333	6 764	13	−3
2	0.990 820	2 846	293	−2	0.129 341	15 556	36	−2	0.056 097	6 747	17	+2
3	−0.987 974	+3 139	+293	0	−0.144 897	−15 513	+43	+3	−0.062 844	−6 730	+17	−4
4	0.984 835	3 431	292	−1	0.160 410	15 467	46	−4	0.069 574	6 709	21	+2
5	0.981 404	3 723	292	+2	0.175 877	15 416	51	−5	0.076 283	6 687	22	+1
6	0.977 681	4 014	291	+4	0.191 293	15 360	56	−4	0.082 970	6 662	25	+2
7	0.973 667	4 305	291	+5	0.206 653	15 299	61	−1	0.089 632	6 636	26	−2
8	0.969 362	4 593	288	−3	0.221 952	15 232	67	+3	0.096 268	6 607	29	0
9	−0.964 769	+4 882	+289	+1	−0.237 184	−15 162	+70	−4	−0.102 875	−6 576	+31	−2
10	0.959 887	5 168	286	−5	0.252 346	15 086	76	−2	0.109 451	6 544	32	−4
11	0.954 719	5 453	285	−3	0.267 432	15 006	80	−2	0.115 995	6 508	36	+4
12	0.949 266	5 737	284	+1	0.282 438	14 920	86	+3	0.122 503	6 471	37	+3
13	0.943 529	+6 018	281	−2	0.297 358	−14 830	90	+2	0.128 974	−6 431	40	+4
14	−0.937 511		+280	+1	−0.312 188		+95	+2	−0.135 405		+40	−3

*) *ΔX*, *ΔY*, *ΔZ* sind in Einheiten der 7. Dezimale gegeben.

0^h Welt-Zeit	Mittleres Äquinoktium 1934.0											
	X			ΔX*)	Y			ΔY*)	Z			ΔZ*)
1934												
Okt. 14	−0.937 511	+ 6298	+280	+1	−0.312 188	−14735	+ 95	+2	−0.135 405	−6391	+ 40	−3
15	0.931 213	6576	278	+2	0.326 923	14636	99	−1	0.141 796	6347	44	+2
16	0.924 637	6851	275	+1	0.341 559	14533	103	−3	0.148 143	6303	44	−4
17	0.917 786	7125	274	+4	0.356 092	14425	108	0	0.154 446	6256	47	0
18	0.910 661	7396	271	+1	0.370 517	14313	112	0	0.160 702	6207	49	+2
19	0.903 265	7665	269	0	0.384 830	14197	116	0	0.166 909	6157	50	−2
20	−0.895 600	+ 7931	+266	−3	−0.399 027	−14077	+120	0	−0.173 066	−6105	+ 52	−3
21	0.887 669	8196	265	+3	0.413 104	13953	124	−2	0.179 171	6052	53	−5
22	0.879 473	8459	263	+5	0.427 057	13826	127	−5	0.185 223	5997	55	−2
23	0.871 014	8719	260	+1	0.440 883	13694	132	0	0.191 220	5939	58	+4
24	0.862 295	8977	258	+1	0.454 577	13558	136	+3	0.197 159	5881	58	0
25	0.853 318	9234	257	+4	0.468 135	13418	140	+3	0.203 040	5820	61	+2
26	−0.844 084	+ 9487	+253	−1	−0.481 553	−13275	+143	−2	−0.208 860	−5758	+ 62	−1
27	0.834 597	9739	252	+2	0.494 828	13127	148	0	0.214 618	5694	64	−1
28	0.824 858	9988	249	−1	0.507 955	12975	152	0	0.220 312	5628	66	−2
29	0.814 870	10234	246	−2	0.520 930	12819	156	+1	0.225 940	5561	67	−5
30	0.804 636	10479	245	+4	0.533 749	12659	160	+2	0.231 501	5491	70	−2
31	0.794 157	10720	241	0	0.546 408	12494	165	+5	0.236 992	5420	71	−2
Nov. 1	−0.783 437	+10958	+238	−1	−0.558 902	−12326	+168	+1	−0.242 412	−5347	+ 73	+1
2	0.772 479	11194	236	+2	0.571 228	12153	173	+1	0.247 759	5272	75	+4
3	0.761 285	11426	232	0	0.583 381	11977	176	−3	0.253 031	5195	77	+5
4	0.749 859	11655	229	0	0.595 358	11796	181	−1	0.258 226	5116	79	+4
5	0.738 204	11881	226	0	0.607 154	11612	184	−3	0.263 342	5037	79	−2
6	0.726 323	12103	222	−3	0.618 766	11423	189	+1	0.268 379	4954	83	+4
7	−0.714 220	+12321	+218	−3	−0.630 189	−11230	+193	+3	−0.273 333	−4871	+ 83	0
8	0.701 899	12536	215	+1	0.641 419	11034	196	+1	0.278 204	4785	86	+2
9	0.689 363	12747	211	+1	0.652 453	10833	201	+3	0.282 989	4699	86	−2
10	0.676 616	12953	206	−4	0.663 286	10630	203	−4	0.287 688	4610	89	+4
11	0.663 663	13155	202	−4	0.673 916	10423	207	−4	0.292 298	4520	90	+5
12	0.650 508	13353	198	−2	0.684 339	10213	210	−2	0.296 818	4428	92	+4
13	−0.637 155	+13546	+193	−2	−0.694 552	− 9999	+214	+3	−0.301 246	−4337	+ 91	−4
14	0.623 609	13736	190	+4	0.704 551	9783	216	+2	0.305 583	4242	95	+4
15	0.609 873	13921	185	+3	0.714 334	9563	220	+5	0.309 825	4147	95	0
16	0.595 952	14102	181	+1	0.723 897	9341	222	0	0.313 972	4051	96	−3
17	0.581 850	14278	176	−4	0.733 238	9117	224	−4	0.318 023	3954	97	−5
18	0.567 572	14450	172	−4	0.742 355	8890	227	−3	0.321 977	3856	98	−4
19	−0.553 122	+14618	+168	−1	−0.751 245	− 8660	+230	−1	−0.325 833	−3756	+100	0
20	0.538 504	14783	165	+4	0.759 905	8428	232	−3	0.329 589	3656	100	−2
21	0.523 721	14942	159	−2	0.768 333	8193	235	−2	0.333 245	3554	102	+2
22	0.508 779	15098	156	+1	0.776 526	7956	237	−4	0.336 799	3451	103	+2
23	0.493 681	+15250	152	+1	0.784 482	− 7716	240	−3	0.340 250	−3347	104	+1
24	−0.478 431		+146	−4	−0.792 198		+242	−4	−0.343 597		+105	−1

*) ΔX, ΔY, ΔZ sind in Einheiten der 7. Dezimale gegeben.

0^h Welt-Zeit	Mittleres Äquinoktium 1934.0											
	X			ΔX*)	Y			ΔY*)	Z			ΔZ*)
1934												
Nov. 24	−0.478 431	+15 396	+146	−4	−0.792 198	−7 474	+242	−4	−0.343 597	−3 242	+105	−1
25	0.463 035	15 540	144	+4	0.799 672	7 229	245	−2	0.346 839	3 137	105	−4
26	0.447 495	15 678	138	+2	0.806 901	6 982	247	−3	0.349 976	3 029	108	+4
27	0.431 817	15 812	134	+4	0.813 883	6 732	250	−3	0.353 005	2 920	109	+5
28	0.416 005	15 942	130	+5	0.820 615	6 480	252	−5	0.355 925	2 811	109	0
29	0.400 063	16 066	124	+1	0.827 095	6 226	254	−5	0.358 736	2 701	110	−1
30	−0.383 997	+16 186	+120	+4	−0.833 321	−5 969	+257	−1	−0.361 437	−2 589	+112	+1
Dez. 1	0.367 811	16 302	116	+5	0.839 290	5 710	259	−1	0.364 026	2 477	112	−2
2	0.351 509	16 411	109	−3	0.845 000	5 449	261	−1	0.366 503	2 363	114	0
3	0.335 098	16 517	106	+1	0.850 449	5 185	264	+2	0.368 866	2 250	113	−4
4	0.318 581	16 616	99	−5	0.855 634	4 920	265	−2	0.371 116	2 134	116	+4
5	0.301 965	16 711	95	−2	0.860 554	4 653	267	−4	0.373 250	2 017	117	+5
6	−0.285 254	+16 799	+ 88	−5	−0.865 207	−4 384	+269	−3	−0.375 267	−1 901	+116	−3
7	0.268 455	16 883	84	+2	0.869 591	4 113	271	−1	0.377 168	1 784	117	−1
8	0.251 572	16 961	78	+4	0.873 704	3 841	272	−2	0.378 952	1 665	119	+4
9	0.234 611	17 033	72	+3	0.877 545	3 568	273	−3	0.380 617	1 547	118	0
10	0.217 578	17 100	67	+4	0.881 113	3 293	275	0	0.382 164	1 427	120	+4
11	0.200 478	17 160	60	0	0.884 406	3 018	275	−2	0.383 591	1 309	118	−2
12	−0.183 318	+17 216	+ 56	+5	−0.887 424	−2 742	+276	−1	−0.384 900	−1 188	+121	+4
13	0.166 102	17 266	50	+2	0.890 166	2 465	277	0	0.386 088	1 069	119	−3
14	0.148 836	17 310	44	−1	0.892 631	2 188	277	−3	0.387 157	949	120	−1
15	0.131 526	17 349	39	−1	0.894 819	1 911	277	−5	0.388 106	828	121	+1
16	0.114 177	17 383	34	+1	0.896 730	1 633	278	−2	0.388 934	709	119	−4
17	0.096 794	17 412	29	+2	0.898 363	1 355	278	−1	0.389 643	587	122	+4
18	−0.079 382	+17 436	+ 24	+2	−0.899 718	−1 076	+279	+1	−0.390 230	− 467	+120	−3
19	0.061 946	17 454	18	−2	0.900 794	798	278	−3	0.390 697	347	120	−4
20	0.044 492	17 468	14	−1	0.901 592	519	279	−1	0.391 044	225	122	+1
21	0.027 024	17 476	8	−5	0.902 111	− 240	279	+1	0.391 269	− 105	120	−5
22	−0.009 548	17 479	+ 3	−5	0.902 351	+ 40	280	+3	0.391 374	+ 16	121	−1
23	+0.007 931	17 477	− 2	−3	0.902 311	319	279	−3	0.391 358	138	122	+3
24	+0.025 408	+17 471	− 6	+2	−0.901 992	+ 598	+279	−5	−0.391 220	+ 259	+121	−2
25	0.042 879	17 458	13	−4	0.901 394	877	279	−3	0.390 961	380	121	−3
26	0.060 337	17 441	17	−1	0.900 517	1 158	281	+4	0.390 581	501	121	−2
27	0.077 778	17 418	23	−3	0.899 359	1 436	278	−4	0.390 080	623	122	+2
28	0.095 196	17 389	29	−5	0.897 923	1 716	280	+1	0.389 457	744	121	−2
29	0.112 585	17 357	32	+3	0.896 207	1 995	279	−1	0.388 713	865	121	−4
30	+0.129 942	+17 317	− 40	−4	−0.894 212	+2 273	+278	−2	−0.387 848	+ 986	+121	−4
31	0.147 259	+17 273	44	−2	0.891 939	+2 552	279	+3	0.386 862	+1 107	121	−4
32	+0.164 532		− 50	−4	−0.889 387		+278	0	−0.385 755		+120	−5

*) ΔX, ΔY, ΔZ sind in Einheiten der 7. Dezimale gegeben.

Frühlingsäquinoktium	21. März	$7^h\ 28^m$		Herbstäquinoktium	23. Sept.	$17^h\ 46^m$
Sommersolstitium	22. Juni	2 48		Wintersolstitium	22. Dez.	12 50

Erdnähe 2. Jan. 10^h
Erdferne 5. Juli 19

Tag	0h Welt-Zeit			
	Aberration	Parallaxe	Mittlere Länge $L_{\odot}$	Mittlere Anomalie $M_{\odot}$
1934				
Jan. — 3	20.″82	8.″95	276.°0156	354.°21
+ 7	20.81	8.95	285.8721	4.06
17	20.80	8.94	295.7285	13.92
27	20.79	8.94	305.5850	23.78
Febr. 6	20.76	8.92	315.4415	33.64
16	20.72	8.91	325.2980	43.49
26	20.67	8.89	335.1544	53.35
März 8	20.62	8.86	345.0109	63.21
18	20.56	8.84	354.8674	73.06
28	20.51	8.82	4.7239	82.92
April 7	20.45	8.79	14.5803	92.77
17	20.39	8.77	24.4368	102.63
27	20.34	8.74	34.2933	112.49
Mai 7	20.28	8.72	44.1497	122.34
17	20.24	8.70	54.0062	132.20
27	20.20	8.68	63.8627	142.05
Juni 6	20.17	8.67	73.7192	151.91
16	20.15	8.66	83.5756	161.77
26	20.14	8.66	93.4321	171.62
Juli 6	20.13	8.66	103.2886	181.48
16	20.14	8.66	113.1451	191.33
26	20.16	8.66	123.0015	201.19
Aug. 5	20.18	8.67	132.8580	211.05
15	20.21	8.69	142.7145	220.90
25	20.25	8.71	152.5710	230.76
Sept. 4	20.30	8.73	162.4274	240.61
14	20.35	8.75	172.2839	250.47
24	20.41	8.77	182.1404	260.33
Okt. 4	20.47	8.80	191.9968	270.18
14	20.52	8.82	201.8533	280.04
24	20.58	8.85	211.7098	289.89
Nov. 3	20.64	8.87	221.5663	299.75
13	20.69	8.89	231.4227	309.61
23	20.73	8.91	241.2792	319.46
Dez. 3	20.77	8.93	251.1357	329.32
13	20.79	8.94	260.9922	339.17
23	20.81	8.95	270.8486	349.03
33	20.82	8.95	280.7051	358.89

Tag	0h Welt-Zeit									
	Scheinbare Rektaszension		Scheinbare Deklination		Parallaxe		Halbmesser		Länge	Breite
1934	h m s	m s	° ′	° ′	′ ″	″	′ ″	″	°	°
Jan. 0	5 57 32	52 47	+27 25.5	1 14.9	53 58.0	0.6	14 43.8	0.2	89.452	+3.976
1	6 50 19	51 13	+26 10.6	2 25.3	53 57.4	4.3	14 43.6	1.2	101.290	+3.219
2	7 41 32	49 8	+23 45.3	3 26.8	54 1.7	9.6	14 44.8	2.6	113.121	+2.321
3	8 30 40	47 2	+20 18.5	4 17.4	54 11.3	15.1	14 47.4	4.1	124.977	+1.318
4	9 17 42	45 19	+16 1.1	4 57.1	54 26.4	21.3	14 51.5	5.8	136.893	+0.250
5	10 3 1	44 19	+11 4.0	5 25.7	54 47.7	28.0	14 57.3	7.6	148.916	−0.841
6	10 47 20	44 14	+ 5 38.3	5 44.0	55 15.7	35.1	15 4.9	9.6	161.101	−1.910
7	11 31 34	45 12	− 0 5.7	5 51.2	55 50.8	42.1	15 14.5	11.5	173.509	−2.911
8	12 16 46	47 23	− 5 56.9	5 45.8	56 32.9	48.4	15 26.0	13.2	186.210	−3.793
9	13 4 9	50 50	−11 42.7	5 24.3	57 21.3	52.9	15 39.2	14.4	199.269	−4.506
10	13 54 59	55 24	−17 7.0	4 42.0	58 14.2	54.2	15 53.6	14.7	212.742	−4.997
11	14 50 23	60 33	−21 49.0	3 34.0	59 8.4	51.3	16 8.3	14.0	226.664	−5.216
12	15 50 56	65 10	−25 23.0	1 58.3	59 59.7	43.0	16 22.3	11.7	241.035	−5.121
13	16 56 6	67 49	−27 21.3	0 1.2	60 42.7	29.1	16 34.0	8.0	255.804	−4.690
14	18 3 55	67 27	−27 22.5	2 2.0	61 11.8	11.1	16 42.0	3.0	270.873	−3.929
15	19 11 22	64 20	−25 20.5	3 52.3	61 22.9	9.2	16 45.0	2.5	286.096	−2.883
16	20 15 42	59 48	−21 28.2	5 15.2	61 13.7	28.5	16 42.5	7.8	301.303	−1.633
17	21 15 30	55 17	−16 13.0	6 6.0	60 45.2	44.0	16 34.7	12.0	316.330	−0.281
18	22 10 47	51 38	−10 7.0	6 27.5	60 1.2	54.2	16 22.7	14.8	331.036	+1.064
19	23 2 25	49 10	− 3 39.5	6 25.3	59 7.0	58.6	16 7.9	15.9	345.331	+2.305
20	23 51 35	47 58	+ 2 45.8	6 4.8	58 8.4	57.6	15 52.0	15.7	359.171	+3.371
21	0 39 33	47 51	+ 8 50.6	5 30.7	57 10.8	52.8	15 36.3	14.4	12.559	+4.216
22	1 27 24	48 37	+14 21.3	4 45.2	56 18.0	45.3	15 21.9	12.3	25.529	+4.817
23	2 16 1	49 58	+19 6.5	3 50.0	55 32.7	36.4	15 9.6	10.0	38.139	+5.166
24	3 5 59	51 30	+22 56.5	2 46.0	54 56.3	27.1	14 59.6	7.3	50.457	+5.267
25	3 57 29	52 46	+25 42.5	1 34.9	54 29.2	17.9	14 52.3	4.9	62.554	+5.131
26	4 50 15	53 20	+27 17.4	0 19.3	54 11.3	9.5	14 47.4	2.6	74.499	+4.774
27	5 43 35	52 58	+27 36.7	0 56.7	54 1.8	2.0	14 44.8	0.6	86.354	+4.214
28	6 36 33	51 42	+26 40.0	2 8.9	53 59.8	4.4	14 44.2	1.3	98.174	+3.476
29	7 28 15	49 51	+24 31.1	3 13.7	54 4.2	9.9	14 45.5	2.7	110.006	+2.588
30	8 18 6	47 48	+21 17.4	4 8.1	54 14.1	14.6	14 48.2	3.9	121.889	+1.583
31	9 5 54	46 1	+17 9.3	4 51.4	54 28.7	18.6	14 52.1	5.1	133.856	+0.501
Febr. 1	9 51 55	44 46	+12 17.9	5 22.8	54 47.3	22.5	14 57.2	6.1	145.939	−0.615
2	10 36 41	44 19	+ 6 55.1	5 42.7	55 9.8	26.3	15 3.3	7.2	158.166	−1.717
3	11 21 0	44 48	+ 1 12.4	5 50.5	55 36.1	30.3	15 10.5	8.2	170.568	−2.753
4	12 5 48	46 20	− 4 38.1	5 45.5	56 6.4	34.3	15 18.7	9.4	183.177	−3.675
5	12 52 8	48 58	−10 23.6	5 25.8	56 40.7	38.2	15 28.1	10.4	196.029	−4.430
6	13 41 6	52 40	−15 49.4	4 48.2	57 18.9	41.3	15 38.5	11.3	209.157	−4.972
7	14 33 46	57 3	−20 37.6	3 49.6	58 0.2	42.8	15 49.8	11.6	222.596	−5.259
8	15 30 49	61 28	−24 27.2	2 27.7	58 43.0	41.7	16 1.4	11.4	236.365	−5.255
9	16 32 17	64 43	−26 54.9	0 44.6	59 24.7	37.2	16 12.8	10.1	250.472	−4.940
10	17 37 0		−27 39.5		60 1.9		16 22.9		264.893	−4.310

Tag	Obere Kulmination in Greenwich							0^h Länge, + 50° Breite			
	AR.	Änderung für 1^h westl. Länge	Dekl.	Änderung für 1^h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1^h westl. Länge	Aufgang	Änderung für 1^h westl. Länge	Untergang	Änderung für 1^h westl. Länge
1934	h m s	s	° '	'	'	h m	m	h m	m	h m	m
Jan. 0	—	—	—	—	—	—	—	15 26	2.5	8 8	1.8
1	6 50 43	135	+26 9.7	− 4.8	54.0	0 10.9	2.08	16 31	2.8	8 45	1.4
2	7 43 37	129	+23 37.9	− 7.8	54.0	0 59.7	1.98	17 41	2.9	9 13	1.0
3	8 34 12	124	+20 1.1	−10.2	54.2	1 46.2	1.89	18 52	3.0	9 35	0.8
4	9 22 30	118	+15 31.7	−12.2	54.5	2 30.4	1.80	20 3	3.0	9 52	0.7
5	10 9 0	115	+10 21.9	−13.6	54.9	3 12.9	1.75	21 14	3.0	10 7	0.6
6	10 54 31	113	+ 4 43.3	−14.5	55.3	3 54.3	1.72	22 25	3.0	10 20	0.5
7	11 40 6	115	− 1 12.8	−15.0	56.0	4 35.9	1.75	23 38	3.1	10 33	0.5
8	12 27 1	120	− 7 14.4	−15.0	56.7	5 18.7	1.83	—	—	10 46	0.6
9	13 16 38	128	−13 7.5	−14.3	57.6	6 4.3	1.98	0 54	3.3	11 2	0.8
10	14 10 24	141	−18 33.5	−12.7	58.5	6 54.0	2.18	2 14	3.4	11 23	1.0
11	15 9 32	155	−23 7.6	− 9.9	59.4	7 49.0	2.41	3 38	3.5	11 51	1.4
12	16 14 27	169	−26 19.0	− 5.8	60.3	8 49.8	2.64	5 4	3.4	12 31	2.0
13	17 23 59	177	−27 36.8	− 0.5	60.9	9 55.2	2.78	6 21	2.9	13 29	2.8
14	18 35 10	176	−26 41.4	+ 5.1	61.3	11 2.3	2.77	7 24	2.2	14 46	3.5
15	19 44 22	168	−23 35.4	+10.2	61.3	12 7.4	2.63	8 8	1.6	16 15	3.8
16	20 49 0	155	−18 44.0	+13.9	61.0	13 7.9	2.41	8 40	1.1	17 48	3.8
17	21 48 23	142	−12 42.8	+16.0	60.3	14 3.2	2.20	9 3	0.9	19 18	3.6
18	22 43 11	132	− 6 7.3	+16.8	59.5	14 53.9	2.04	9 21	0.7	20 42	3.4
19	23 34 46	126	+ 0 33.9	+16.5	58.5	15 41.4	1.93	9 36	0.6	22 3	3.3
20	0 24 32	123	+ 6 59.0	+15.5	57.5	16 27.1	1.89	9 50	0.6	23 21	3.2
21	1 13 49	124	+12 51.8	+13.8	56.5	17 12.3	1.89	10 5	0.7	—	—
22	2 3 41	126	+17 59.7	+11.7	55.7	17 58.1	1.93	10 22	0.8	0 37	3.1
23	2 54 56	130	+22 11.4	+ 9.2	55.1	18 45.3	2.00	10 42	1.0	1 52	3.1
24	3 47 52	134	+25 17.0	+ 6.2	54.6	19 34.2	2.07	11 8	1.2	3 4	3.0
25	4 42 18	137	+27 7.9	+ 3.0	54.2	20 24.5	2.12	11 41	1.6	4 14	2.7
26	5 37 30	138	+27 38.4	− 0.4	54.0	21 15.6	2.13	12 24	2.0	5 15	2.3
27	6 32 25	136	+26 47.2	− 3.8	54.0	22 6.4	2.10	13 18	2.4	6 6	1.9
28	7 26 0	132	+24 38.2	− 6.9	54.1	22 56.0	2.03	14 21	2.8	6 47	1.5
29	8 17 32	126	+21 20.0	− 9.6	54.2	23 43.4	1.93	15 30	2.9	7 17	1.1
30	—	—	—	—	—	—	—	16 41	3.0	7 41	0.9
31	9 6 50	121	+17 3.9	−11.7	54.5	0 28.7	1.84	17 53	3.0	7 59	0.7
Febr. 1	9 54 11	116	+12 2.5	−13.3	54.8	1 11.9	1.77	19 4	3.0	8 14	0.6
2	10 40 12	114	+ 6 28.6	−14.4	55.2	1 53.9	1.74	20 15	3.0	8 28	0.6
3	11 25 48	114	+ 0 34.8	−15.0	55.7	2 35.5	1.74	21 27	3.1	8 41	0.5
4	12 12 3	116	− 5 26.1	−15.0	56.2	3 17.6	1.79	22 42	3.2	8 54	0.6
5	13 0 8	124	−11 20.1	−14.4	56.8	4 1.7	1.90	23 59	3.3	9 9	0.7
6	13 51 20	133	−16 50.8	−13.0	57.4	4 48.8	2.05	—	—	9 27	0.9
7	14 46 50	145	−21 38.0	−10.7	58.2	5 40.2	2.25	1 20	3.4	9 51	1.2
8	15 47 20	158	−25 17.0	− 7.3	58.9	6 36.7	2.45	2 42	3.4	10 24	1.7
9	16 52 35	168	−27 21.0	− 2.8	59.6	7 37.7	2.62	4 1	3.0	11 12	2.4
10	18 0 51	172	−27 27.5	+ 2.4	60.2	8 41.9	2.69	5 8	2.5	12 18	3.1

Tag	0ʰ Welt-Zeit									
	Scheinbare Rektaszension		Scheinbare Deklination		Parallaxe		Halbmesser		Länge	Breite
1934	h m s	m s	° ′	° ′	′ ″	″	′ ″	″	°	°
Febr. 10	17 37 0	65 46	−27 39.5	1 10.4	60 1.9	28.3	16 22.9	7.7	264.893	−4.310
11	18 42 46	64 21	−26 29.1	3 2.8	60 30.2	15.4	16 30.6	4.2	279.577	−3.391
12	19 47 7	61 5	−23 26.3	4 37.9	60 45.6	0.6	16 34.8	0.1	294.436	−2.233
13	20 48 12	57 13	−18 48.4	5 46.2	60 45.0	17.4	16 34.7	4.8	309.354	−0.919
14	21 45 25	53 43	−13 2.2	6 25.3	60 27.6	33.1	16 29.9	9.0	324.199	+0.451
15	22 39 8	51 9	− 6 36.9	6 37.0	59 54.5	45.2	16 20.9	12.3	338.844	+1.772
16	23 30 17	49 39	+ 0 0.1	6 25.7	59 9.3	52.6	16 8.6	14.4	353.177	+2.952
17	0 19 56	49 12	+ 6 25.8	5 55.9	58 16.7	54.9	15 54.2	14.9	7.124	+3.922
18	1 9 8	49 39	+12 21.7	5 11.6	57 21.8	52.6	15 39.3	14.4	20.647	+4.641
19	1 58 47	50 41	+17 33.3	4 15.7	56 29.2	46.9	15 24.9	12.7	33.748	+5.092
20	2 49 28	51 58	+21 49.0	3 10.3	55 42.3	38.5	15 12.2	10.5	46.461	+5.277
21	3 41 26	53 2	+24 59.3	1 58.1	55 3.8	28.9	15 1.7	7.9	58.842	+5.210
22	4 34 28	53 33	+26 57.4	0 41.9	54 34.9	18.7	14 53.8	5.1	70.963	+4.910
23	5 28 1	53 14	+27 39.3	0 35.0	54 16.2	8.7	14 48.7	2.3	82.902	+4.401
24	6 21 15	52 5	+27 4.3	1 48.5	54 7.5	0.7	14 46.4	0.1	94.739	+3.709
25	7 13 20	50 23	+25 15.8	2 55.5	54 8.2	8.8	14 46.5	2.4	106.549	+2.861
26	8 3 43	48 27	+22 20.3	3 53.5	54 17.0	15.7	14 48.9	4.3	118.401	+1.888
27	8 52 10	46 43	+18 26.8	4 41.1	54 32.7	21.1	14 53.2	5.7	130.356	+0.825
28	9 38 53	45 28	+13 45.7	5 17.6	54 53.8	24.8	14 58.9	6.8	142.460	−0.287
März 1	10 24 21	44 55	+ 8 28.1	5 42.2	55 18.6	27.3	15 5.7	7.5	154.752	−1.401
2	11 9 16	45 13	+ 2 45.9	5 54.0	55 45.9	28.6	15 13.2	7.8	167.255	−2.465
3	11 54 29	46 28	− 3 8.1	5 52.0	56 14.5	29.2	15 21.0	7.9	179.982	−3.425
4	12 40 57	48 43	− 9 0.1	5 34.4	56 43.7	29.4	15 28.9	8.0	192.939	−4.226
5	13 29 40	51 53	−14 34.5	4 58.8	57 13.1	29.1	15 36.9	7.9	206.121	−4.818
6	14 21 33	55 40	−19 33.3	4 3.2	57 42.2	28.7	15 44.8	7.9	219.523	−5.159
7	15 17 13	59 31	−23 36.5	2 46.5	58 10.9	27.8	15 52.7	7.5	233.134	−5.217
8	16 16 44	62 30	−26 23.0	1 11.3	58 38.7	26.0	16 0.2	7.1	246.946	−4.977
9	17 19 14	63 42	−27 34.3	0 35.6	59 4.7	22.5	16 7.3	6.1	260.947	−4.442
10	18 22 56	62 50	−26 58.7	2 22.7	59 27.2	17.0	16 13.4	4.7	275.119	−3.630
11	19 25 46	60 18	−24 36.0	3 58.1	59 44.2	9.1	16 18.1	2.5	289.435	−2.586
12	20 26 4	57 2	−20 37.9	5 13.3	59 53.3	1.1	16 20.6	0.3	303.853	−1.372
13	21 23 6	53 55	−15 24.6	6 3.8	59 52.2	12.6	16 20.3	3.5	318.316	−0.068
14	22 17 1	51 33	− 9 20.8	6 29.4	59 39.6	24.2	16 16.8	6.6	332.747	+1.236
15	23 8 34	50 9	− 2 51.4	6 31.4	59 15.4	34.5	16 10.2	9.4	347.060	+2.449
16	23 58 43	49 44	+ 3 40.0	6 12.4	58 40.9	42.1	16 0.8	11.4	1.165	+3.491
17	0 48 27	50 10	+ 9 52.4	5 35.6	57 58.8	45.9	15 49.4	12.5	14.987	+4.305
18	1 38 37	51 14	+15 28.0	4 43.5	57 12.9	46.1	15 36.9	12.6	28.469	+4.856
19	2 29 51	52 31	+20 11.5	3 39.4	56 26.8	42.7	15 24.3	11.6	41.585	+5.133
20	3 22 22	53 39	+23 50.9	2 26.5	55 44.1	36.4	15 12.7	10.0	54.340	+5.146
21	4 16 1	54 9	+26 17.4	1 8.6	55 7.7	27.9	15 2.7	7.6	66.769	+4.913
22	5 10 10	53 49	+27 26.0	0 9.9	54 39.8	18.2	14 55.1	4.9	78.926	+4.462
23	6 3 59		+27 16.1		54 21.6		14 50.2		90.886	+3.822

Tag	Obere Kulmination in Greenwich							0h Länge, + 50° Breite			
	AR.	Änderung für 1h westl. Länge	Dekl.	Änderung für 1h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1h westl. Länge	Aufgang	Änderung für 1h westl. Länge	Untergang	Änderung für 1h westl. Länge
1934	h m s	s	° '	'	'	h m	m	h m	m	h m	m
Febr. 10	18 0 51	172	−27 27.5	+ 2.4	60.2	8 41.9	2.69	5 8	2.5	12 18	3.1
11	19 9 16	169	−25 27.6	+ 7.5	60.6	9 46.2	2.64	6 0	1.8	13 40	3.6
12	20 15 4	160	−21 31.6	+11.9	60.8	10 47.9	2.49	6 36	1.3	15 10	3.8
13	21 16 43	149	−16 5.5	+15.0	60.6	11 45.4	2.31	7 3	1.0	16 42	3.7
14	22 14 7	139	− 9 42.2	+16.7	60.2	12 38.7	2.14	7 23	0.8	18 9	3.6
15	23 8 6	132	− 2 53.8	+17.1	59.5	13 28.6	2.03	7 40	0.7	19 34	3.5
16	23 59 55	128	+ 3 52.1	+16.5	58.6	14 16.4	1.96	7 55	0.6	20 55	3.3
17	0 50 47	127	+10 13.5	+15.1	57.7	15 3.2	1.95	8 10	0.6	22 14	3.3
18	1 41 48	129	+15 53.1	+13.1	56.8	15 50.1	1.97	8 26	0.7	23 32	3.2
19	2 33 47	132	+20 37.1	+10.5	55.9	16 38.0	2.03	8 45	0.9	—	—
20	3 27 8	135	+24 14.3	+ 7.5	55.2	17 27.3	2.08	9 9	1.1	0 48	3.1
21	4 21 48	138	+26 36.2	+ 4.2	54.7	18 17.9	2.13	9 39	1.5	2 0	2.9
22	5 17 12	139	+27 37.0	+ 0.8	54.3	19 9.2	2.14	10 19	1.9	3 6	2.5
23	6 12 27	137	+27 15.3	− 2.6	54.1	20 0.4	2.11	11 9	2.3	4 1	2.1
24	7 6 34	133	+25 34.1	− 5.8	54.1	20 50.4	2.05	12 10	2.7	4 46	1.6
25	7 58 51	128	+22 40.3	− 8.6	54.3	21 38.6	1.98	13 17	2.9	5 18	1.2
26	8 49 1	123	+18 43.9	−11.0	54.5	22 24.7	1.88	14 27	3.0	5 45	1.0
27	9 37 15	119	+13 56.3	−12.9	54.9	23 8.9	1.81	15 39	3.0	6 5	0.8
28	10 24 5	116	+ 8 30.0	−14.2	55.3	23 51.7	1.77	16 51	3.0	6 22	0.6
März 1	—	—	—	—	—	—	—	18 3	3.0	6 36	0.6
2	11 10 19	116	+ 2 37.7	−15.0	55.8	0 33.9	1.76	19 16	3.1	6 49	0.5
3	11 56 54	118	− 3 27.0	−15.2	56.3	1 16.4	1.80	20 30	3.2	7 2	0.6
4	12 44 55	123	− 9 29.0	−14.8	56.8	2 0.3	1.88	21 48	3.3	7 17	0.7
5	13 35 30	131	−15 11.3	−13.6	57.3	2 46.8	2.01	23 8	3.4	7 34	0.8
6	14 29 41	141	−20 14.0	−11.5	57.8	3 37.0	2.18	—	—	7 56	1.1
7	15 28 9	152	−24 14.3	− 8.4	58.3	4 31.3	2.35	0 29	3.3	8 26	1.5
8	16 30 51	161	−26 48.3	− 4.3	58.7	5 29.9	2.51	1 48	3.1	9 8	2.1
9	17 36 31	166	−27 35.4	+ 0.5	59.2	6 31.5	2.60	2 58	2.6	10 5	2.7
10	18 42 55	165	−26 25.0	+ 5.4	59.6	7 33.8	2.57	3 54	2.0	11 19	3.3
11	19 47 40	158	−23 21.0	+ 9.8	59.8	8 34.4	2.46	4 34	1.4	12 44	3.6
12	20 49 7	149	−18 41.2	+13.3	59.9	9 31.7	2.31	5 2	1.1	14 12	3.6
13	21 46 52	140	−12 51.3	+15.6	59.8	10 25.4	2.17	5 26	0.9	15 39	3.6
14	22 41 27	133	− 6 19.7	+16.8	59.5	11 15.9	2.05	5 43	0.7	17 4	3.5
15	23 33 54	129	+ 0 26.6	+16.9	59.0	12 4.3	1.99	5 59	0.6	18 26	3.4
16	0 25 21	128	+ 7 3.1	+16.0	58.3	12 51.7	1.97	6 14	0.6	19 46	3.3
17	1 16 53	130	+13 8.9	+14.3	57.5	13 39.1	2.00	6 30	0.7	21 6	3.3
18	2 9 20	133	+18 25.8	+12.0	56.7	14 27.5	2.04	6 48	0.8	22 25	3.2
19	3 3 10	136	+22 39.3	+ 9.1	56.0	15 17.3	2.10	7 10	1.0	23 40	3.0
20	3 58 21	139	+25 37.8	+ 5.8	55.3	16 8.4	2.15	7 38	1.4	—	—
21	4 54 22	140	+27 14.2	+ 2.3	54.8	17 0.3	2.17	8 15	1.7	0 50	2.7
22	5 50 19	139	+27 26.0	− 1.2	54.4	17 52.1	2.14	9 1	2.1	1 51	2.3
23	6 45 10	135	+26 15.9	− 4.5	54.2	18 42.9	2.08	9 58	2.5	2 40	1.8

Tag	0ʰ Welt-Zeit									
	Scheinbare Rektaszension		Scheinbare Deklination		Parallaxe		Halbmesser		Länge	Breite
1934	h m s	m s	° ′	° ′	′ ″	″	′ ″	″	°	°
März 23	6 3 59	52 38	+27 16.1	1 25.1	54 21.6	7.7	14 50.2	2.1	90.886	+3.822
24	6 56 37	50 52	+25 51.0	2 33.8	54 13.9	2.6	14 48.1	0.7	102.730	+3.024
25	7 47 29	48 53	+23 17.2	3 33.9	54 16.5	12.4	14 48.8	3.4	114.546	+2.099
26	8 36 22	47 6	+19 43.3	4 24.5	54 28.9	20.9	14 52.2	5.7	126.420	+1.080
27	9 23 28	45 48	+15 18.8	5 5.0	54 49.8	27.7	14 57.9	7.5	138.430	+0.003
28	10 9 16	45 12	+10 13.8	5 34.9	55 17.5	32.6	15 5.4	8.9	150.646	−1.089
29	10 54 28	45 28	+ 4 38.9	5 52.9	55 50.1	35.2	15 14.3	9.6	163.120	−2.150
30	11 39 56	46 42	− 1 14.0	5 57.4	56 25.3	35.3	15 23.9	9.6	175.887	−3.126
31	12 26 38	48 53	− 7 11.4	5 45.7	57 0.6	33.3	15 33.5	9.1	188.957	−3.960
April 1	13 15 31	52 1	−12 57.1	5 15.0	57 33.9	29.6	15 42.6	8.0	202.318	−4.596
2	14 7 32	55 45	−18 12.1	4 22.6	58 3.5	24.8	15 50.6	6.8	215.934	−4.984
3	15 3 17	59 29	−22 34.7	3 8.0	58 28.3	19.4	15 57.4	5.3	229.756	−5.091
4	16 2 46	62 21	−25 42.7	1 34.0	58 47.7	14.2	16 2.7	3.9	243.728	−4.897
5	17 5 7	63 27	−27 16.7	0 11.6	59 1.9	9.3	16 6.6	2.5	257.795	−4.408
6	18 8 34	62 27	−27 5.1	1 57.1	59 11.2	4.5	16 9.1	1.2	271.911	−3.649
7	19 11 1	59 49	−25 8.0	3 31.3	59 15.7	0.2	16 10.3	0.0	286.044	−2.667
8	20 10 50	56 28	−21 36.7	4 46.7	59 15.5	5.1	16 10.3	1.4	300.169	−1.523
9	21 7 18	53 18	−16 50.0	5 40.2	59 10.4	10.6	16 8.9	2.9	314.269	−0.289
10	22 0 36	50 52	−11 9.8	6 11.5	58 59.8	16.6	16 6.0	4.5	328.324	+0.958
11	22 51 28	49 26	− 4 58.3	6 22.0	58 43.2	22.8	16 1.5	6.3	342.305	+2.138
12	23 40 54	49 3	+ 1 23.7	6 13.0	58 20.4	28.7	15 55.2	7.8	356.174	+3.179
13	0 29 57	49 35	+ 7 36.7	5 45.9	57 51.7	33.4	15 47.4	9.1	9.884	+4.021
14	1 19 32	50 47	+13 22.6	5 2.2	57 18.3	36.2	15 38.3	9.8	23.384	+4.622
15	2 10 19	52 21	+18 24.8	4 3.8	56 42.1	36.9	15 28.5	10.1	36.630	+4.960
16	3 2 40	53 46	+22 28.6	2 53.9	56 5.2	34.8	15 18.4	9.5	49.590	+5.033
17	3 56 26	54 36	+25 22.5	1 36.4	55 30.4	30.5	15 8.9	8.3	62.254	+4.854
18	4 51 2	54 30	+26 58.9	0 16.4	54 59.9	23.8	15 0.6	6.5	74.637	+4.447
19	5 45 32	53 22	+27 15.3	1 1.1	54 36.1	15.4	14 54.1	4.2	86.776	+3.846
20	6 38 54	51 32	+26 14.2	2 11.8	54 20.7	5.8	14 49.9	1.5	98.729	+3.082
21	7 30 26	49 21	+24 2.4	3 13.6	54 14.9	4.4	14 48.4	1.2	110.569	+2.191
22	8 19 47	47 19	+20 48.8	4 5.6	54 19.3	14.8	14 49.6	4.0	122.380	+1.208
23	9 7 6	45 45	+16 43.2	4 47.9	54 34.1	24.6	14 53.6	6.7	134.255	+0.167
24	9 52 51	44 57	+11 55.3	5 20.7	54 58.7	33.2	15 0.3	9.0	146.282	−0.893
25	10 37 48	45 1	+ 6 34.6	5 43.4	55 31.9	39.7	15 9.3	10.9	158.548	−1.931
26	11 22 49	46 8	+ 0 51.2	5 54.5	56 11.6	43.8	15 20.2	11.9	171.125	−2.901
27	12 8 57	48 18	− 5 3.3	5 51.1	56 55.4	44.4	15 32.1	12.1	184.064	−3.748
28	12 57 15	51 31	−10 54.4	5 29.6	57 39.8	41.7	15 44.2	11.3	197.389	−4.416
29	13 48 46	55 32	−16 24.0	4 45.5	58 21.5	35.5	15 55.5	9.7	211.088	−4.852
30	14 44 18	59 47	−21 9.5	3 36.5	58 57.0	26.7	16 5.2	7.3	225.112	−5.008
Mai 1	15 44 5	63 15	−24 46.0	2 4.0	59 23.7	16.4	16 12.5	4.5	239.382	−4.858
2	16 47 20	64 52	−26 50.0	0 15.7	59 40.1	5.8	16 17.0	1.5	253.799	−4.399
3	17 52 12		−27 5.7		59 45.9		16 18.5		268.259	−3.658

Tag	Obere Kulmination in Greenwich							0h Länge, + 50° Breite			
	AR.	Änderung für 1h westl. Länge	Dekl.	Änderung für 1h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1h westl. Länge	Aufgang	Änderung für 1h westl. Länge	Untergang	Änderung für 1h westl. Länge
1934	h m s	s	° ′	′	′	h m	m	h m	m	h m	m
März 23	6 45 10	135	+26 15.9	− 4.5	54.2	18 42.9	2.08	9 58	2.5	2 40	1.8
24	7 38 9	130	+23 50.7	− 7.5	54.3	19 31.8	2.00	11 2	2.8	3 18	1.4
25	8 28 59	124	+20 19.8	−10.0	54.4	20 18.6	1.90	12 12	2.9	3 47	1.1
26	9 17 46	120	+15 53.7	−12.1	54.8	21 3.3	1.83	13 23	3.0	4 9	0.8
27	10 5 3	117	+10 43.5	−13.7	55.2	21 46.6	1.78	14 34	3.0	4 27	0.7
28	10 51 37	116	+ 5 0.8	−14.8	55.8	22 29.0	1.77	15 46	3.0	4 42	0.6
29	11 38 24	118	− 1 2.0	−15.3	56.4	23 11.8	1.80	16 59	3.1	4 56	0.6
30	12 26 29	123	− 7 10.4	−15.2	57.0	23 55.8	1.88	18 14	3.2	5 10	0.6
31	—	—	—	—	—	—	—	19 31	3.3	5 24	0.6
April 1	13 17 0	130	−13 6.9	−14.3	57.6	0 42.2	2.00	20 52	3.4	5 40	0.8
2	14 10 59	140	−18 30.7	−12.5	58.1	1 32.1	2.16	22 15	3.4	6 1	1.0
3	15 9 10	151	−22 57.6	− 9.6	58.5	2 26.2	2.34	23 36	3.2	6 29	1.4
4	16 11 29	160	−26 2.2	− 5.6	58.8	3 24.4	2.50	—	—	7 7	1.9
5	17 16 49	165	−27 22.6	− 1.0	59.1	4 25.7	2.58	0 50	2.8	8 0	2.5
6	18 22 56	164	−26 47.5	+ 3.9	59.2	5 27.7	2.56	1 50	2.2	9 9	3.1
7	19 27 27	158	−24 19.6	+ 8.3	59.3	6 28.1	2.45	2 34	1.6	10 30	3.5
8	20 28 39	148	−20 15.1	+11.9	59.2	7 25.2	2.30	3 6	1.2	11 55	3.5
9	21 26 5	139	−14 57.1	+14.4	59.1	8 18.5	2.15	3 30	0.9	13 20	3.5
10	22 20 12	132	− 8 50.8	+15.9	58.9	9 8.6	2.04	3 49	0.7	14 43	3.4
11	23 12 3	128	− 2 20.2	+16.5	58.6	9 56.3	1.96	4 5	0.6	16 4	3.3
12	0 2 48	126	+ 4 12.5	+16.1	58.1	10 43.0	1.94	4 20	0.6	17 23	3.3
13	0 53 35	128	+10 26.8	+14.9	57.6	11 29.7	1.96	4 35	0.7	18 42	3.3
14	1 45 21	131	+16 3.8	+13.0	57.0	12 17.4	2.02	4 52	0.8	20 1	3.3
15	2 38 43	136	+20 46.1	+10.4	56.4	13 6.7	2.09	5 12	1.0	21 18	3.1
16	3 33 48	140	+24 18.9	+ 7.3	55.7	13 57.7	2.15	5 38	1.2	22 31	2.9
17	4 30 8	142	+26 31.5	+ 3.8	55.2	14 50.0	2.19	6 11	1.6	23 37	2.5
18	5 26 47	141	+27 18.6	+ 0.2	54.7	15 42.5	2.18	6 54	2.0	—	—
19	6 22 33	137	+26 41.1	− 3.3	54.4	16 34.2	2.13	7 47	2.4	0 32	2.0
20	7 16 28	132	+24 45.2	− 6.3	54.3	17 24.1	2.03	8 49	2.7	1 14	1.6
21	8 8 2	126	+21 40.8	− 9.0	54.3	18 11.5	1.93	9 56	2.9	1 47	1.2
22	8 57 17	121	+17 38.8	−11.1	54.5	18 56.7	1.84	11 6	2.9	2 11	0.9
23	9 44 41	117	+12 50.0	−12.9	54.9	19 40.1	1.78	12 17	2.9	2 31	0.8
24	10 31 1	115	+ 7 24.8	−14.2	55.4	20 22.3	1.75	13 27	3.0	2 47	0.6
25	11 17 18	117	+ 1 33.9	−15.0	56.1	21 4.6	1.78	14 39	3.0	3 1	0.6
26	12 4 38	121	− 4 30.6	−15.3	56.9	21 47.8	1.84	15 53	3.1	3 15	0.6
27	12 54 15	128	−10 33.7	−14.8	57.6	22 33.4	1.97	17 9	3.3	3 29	0.6
28	13 47 22	138	−16 15.8	−13.5	58.3	23 22.4	2.13	18 29	3.4	3 45	0.7
29	—	—	—	—	—	—	—	19 52	3.5	4 4	0.9
30	14 44 56	150	−21 12.3	−11.0	59.0	0 15.9	2.33	21 17	3.4	4 30	1.3
Mai 1	15 47 16	161	−24 54.8	− 7.3	59.4	1 14.1	2.52	22 36	3.0	5 5	1.8
2	16 53 26	169	−26 56.2	− 2.7	59.7	2 16.2	2.63	23 42	2.4	5 54	2.4
3	18 1 11	169	−26 59.1	+ 2.4	59.8	3 19.8	2.64	—	—	6 59	3.0

Tag		0h Welt-Zeit									
		Scheinbare Rektaszension		Scheinbare Deklination		Parallaxe		Halbmesser		Länge	Breite
1934		h m s	m s	° ′	° ′	′ ″	″	′ ″	″	°	°
Mai	3	17 52 12	64 1	−27 5.7	1 34.7	59 45.9	3.9	16 18.5	1.0	268.259	−3.658
	4	18 56 13	61 10	−25 31.0	3 13.8	59 42.0	11.9	16 17.5	3.3	282.674	−2.683
	5	19 57 23	57 21	−22 17.2	4 32.1	59 30.1	18.0	16 14.2	4.9	296.979	−1.546
	6	20 54 44	53 38	−17 45.1	5 27.1	59 12.1	22.1	16 9.3	6.0	311.134	−0.323
	7	21 48 22	50 42	−12 18.0	5 59.7	58 50.0	24.9	16 3.3	6.8	325.123	+0.906
	8	22 39 4	48 51	− 6 18.3	6 12.3	58 25.1	26.9	15 56.5	7.3	338.943	+2.066
	9	23 27 55	48 9	− 0 6.0	6 7.3	57 58.2	28.2	15 49.2	7.7	352.594	+3.091
	10	0 16 4	48 28	+ 6 1.3	5 46.0	57 30.0	29.3	15 41.5	8.0	6.078	+3.929
	11	1 4 32	49 39	+11 47.3	5 9.3	57 0.7	30.0	15 33.5	8.1	19.384	+4.540
	12	1 54 11	51 20	+16 56.6	4 18.0	56 30.7	30.0	15 25.4	8.2	32.501	+4.901
	13	2 45 31	53 6	+21 14.6	3 13.7	56 0.7	29.0	15 17.2	7.9	45.410	+5.003
	14	3 38 37	54 22	+24 28.3	1 59.7	55 31.7	26.9	15 9.3	7.3	58.099	+4.854
	15	4 32 59	54 44	+26 28.0	0 40.3	55 4.8	23.1	15 2.0	6.3	70.560	+4.474
	16	5 27 43	53 58	+27 8.3	0 38.4	54 41.7	17.9	14 55.7	4.9	82.804	+3.891
	17	6 21 41	52 14	+26 29.9	1 51.6	54 23.8	11.1	14 50.8	3.1	94.856	+3.139
	18	7 13 55	49 58	+24 38.3	2 55.6	54 12.7	3.0	14 47.7	0.7	106.757	+2.257
	19	8 3 53	47 39	+21 42.7	3 49.1	54 9.7	6.4	14 47.0	1.7	118.568	+1.282
	20	8 51 32	45 44	+17 53.6	4 32.2	54 16.1	16.2	14 48.7	4.4	130.361	+0.252
	21	9 37 16	44 31	+13 21.4	5 5.7	54 32.3	26.3	14 53.1	7.2	142.219	−0.796
	22	10 21 47	44 10	+ 8 15.7	5 29.9	54 58.6	35.9	15 0.3	9.7	154.233	−1.824
	23	11 5 57	44 53	+ 2 45.8	5 44.4	55 34.5	44.0	15 10.0	12.0	166.493	−2.788
	24	11 50 50	46 43	− 2 58.6	5 47.3	56 18.5	49.9	15 22.0	13.6	179.083	−3.643
	25	12 37 33	49 44	− 8 45.9	5 35.1	57 8.4	52.5	15 35.6	14.3	192.072	−4.339
	26	13 27 17	53 51	−14 21.0	5 2.8	58 0.9	50.9	15 49.9	13.9	205.502	−4.822
	27	14 21 8	58 35	−19 23.8	4 5.7	58 51.8	44.8	16 3.8	12.2	219.377	−5.041
	28	15 19 43	63 6	−23 29.5	2 41.7	59 36.6	34.1	16 16.0	9.3	233.659	−4.958
	29	16 22 49	66 4	−26 11.2	0 54.9	60 10.7	20.1	16 25.3	5.5	248.262	−4.553
	30	17 28 53	66 23	−27 6.1	1 1.9	60 30.8	4.7	16 30.8	1.3	263.063	−3.839
	31	18 35 16	64 4	−26 4.2	2 51.8	60 35.5	10.3	16 32.1	2.8	277.925	−2.862
Juni	1	19 39 20	60 4	−23 12.4	4 20.8	60 25.2	22.8	16 29.3	6.3	292.716	−1.694
	2	20 39 24	55 44	−18 51.6	5 23.0	60 2.4	32.0	16 23.0	8.7	307.328	−0.426
	3	21 35 8	52 4	−13 28.6	5 59.1	59 30.4	37.4	16 14.3	10.2	321.690	+0.851
	4	22 27 12	49 31	− 7 29.5	6 12.7	58 53.0	39.6	16 4.1	10.8	335.767	+2.051
	5	23 16 43	48 11	− 1 16.8	6 8.1	58 13.4	39.3	15 53.3	10.7	349.552	+3.107
	6	0 4 54	48 0	+ 4 51.3	5 47.8	57 34.1	37.3	15 42.6	10.1	3.057	+3.967
	7	0 52 54	48 48	+10 39.1	5 13.6	56 56.8	34.5	15 32.5	9.4	16.303	+4.595
	8	1 41 42	50 18	+15 52.7	4 26.3	56 22.3	31.3	15 23.1	8.6	29.312	+4.973
	9	2 32 0	52 4	+20 19.0	3 26.7	55 51.0	28.0	15 14.5	7.6	42.104	+5.094
	10	3 24 4	53 36	+23 45.7	2 16.7	55 23.0	24.6	15 6.9	6.7	54.693	+4.965
	11	4 17 40	54 25	+26 2.4	0 59.8	54 58.4	20.9	15 0.2	5.7	67.094	+4.602
	12	5 12 5	54 6	+27 2.2	0 18.6	54 37.5	16.7	14 54.5	4.5	79.318	+4.031
	13	6 6 11		+26 43.6		54 20.8		14 50.0		91.384	+3.284

Tag	Obere Kulmination in Greenwich							0h Länge, + 50° Breite			
	AR.	Änderung für 1h westl. Länge	Dekl.	Änderung für 1h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1h westl. Länge	Aufgang	Änderung für 1h westl. Länge	Untergang	Änderung für 1h westl. Länge
1934	h m s	s	° ′	′	′	h m	m	h m	m	h m	m
Mai 3	18 1 11	169	−26 59.1	+ 2.4	59.8	3 19.8	2.64	—	—	6 59	3.0
4	19 7 37	162	−25 2.6	+ 7.1	59.7	4 22.1	2.53	0 33	1.8	8 18	3.4
5	20 10 31	152	−21 22.6	+11.0	59.4	5 20.9	2.36	1 8	1.3	9 44	3.5
6	21 9 3	141	−16 24.1	+13.7	59.1	6 15.4	2.18	1 34	1.0	11 8	3.5
7	22 3 37	132	−10 34.0	+15.3	58.7	7 5.9	2.03	1 54	0.8	12 31	3.4
8	22 55 16	127	− 4 16.4	+16.0	58.3	7 53.4	1.94	2 11	0.7	13 51	3.3
9	23 45 18	124	+ 2 7.9	+15.9	57.8	8 39.4	1.90	2 26	0.6	15 8	3.2
10	0 34 59	125	+ 8 20.4	+15.0	57.3	9 25.0	1.91	2 41	0.6	16 26	3.2
11	1 25 26	128	+14 3.9	+13.5	56.8	10 11.4	1.97	2 57	0.7	17 43	3.2
12	2 17 28	132	+19 1.9	+11.2	56.3	10 59.4	2.04	3 16	0.9	19 0	3.1
13	3 11 28	137	+22 58.8	+ 8.4	55.8	11 49.3	2.12	3 40	1.1	20 14	3.0
14	4 7 14	141	+25 41.3	+ 5.1	55.3	12 41.0	2.18	4 10	1.4	21 23	2.7
15	5 3 56	142	+27 0.6	+ 1.5	54.9	13 33.6	2.20	4 48	1.8	22 22	2.2
16	6 0 19	140	+26 54.4	− 2.0	54.5	14 25.9	2.15	5 38	2.3	23 9	1.7
17	6 55 10	134	+25 26.8	− 5.2	54.3	15 16.7	2.07	6 37	2.6	23 45	1.3
18	7 47 40	128	+22 47.0	− 8.0	54.2	16 5.1	1.96	7 43	2.8	—	—
19	8 37 33	122	+19 6.9	−10.3	54.2	16 50.9	1.86	8 52	2.9	0 13	1.0
20	9 25 11	117	+14 38.0	−12.1	54.5	17 34.5	1.78	10 2	2.9	0 34	0.8
21	10 11 13	114	+ 9 31.2	−13.4	54.9	18 16.4	1.73	11 11	2.9	0 51	0.7
22	10 56 40	114	+ 3 56.6	−14.4	55.4	18 57.8	1.73	12 21	2.9	1 6	0.6
23	11 42 37	117	− 1 55.8	−14.9	56.2	19 39.7	1.78	13 32	3.0	1 20	0.6
24	12 30 22	123	− 7 54.1	−14.9	57.0	20 23.4	1.88	14 45	3.1	1 33	0.6
25	13 21 14	132	−13 42.7	−14.1	57.9	21 10.2	2.04	16 2	3.3	1 48	0.7
26	14 16 31	145	−19 0.6	−12.2	58.8	22 1.4	2.24	17 24	3.5	2 5	0.8
27	15 17 6	158	−23 20.5	− 9.2	59.6	22 57.9	2.46	18 49	3.5	2 28	1.1
28	16 22 48	170	−26 11.2	− 4.8	60.2	23 59.5	2.65	20 12	3.3	2 59	1.5
29	—	—	—	—	—	—	—	21 27	2.8	3 42	2.1
30	17 31 52	174	−27 5.8	+ 0.4	60.5	1 4.4	2.73	22 25	2.1	4 42	2.9
31	18 41 10	171	−25 53.0	+ 5.6	60.6	2 9.6	2.67	23 7	1.5	5 59	3.4
Juni 1	19 47 35	161	−22 42.2	+10.1	60.4	3 11.9	2.50	23 37	1.1	7 26	3.6
2	20 49 21	148	−17 59.3	+13.3	60.0	4 9.6	2.30	23 59	0.9	8 54	3.6
3	21 46 21	137	−12 15.3	+15.2	59.4	5 2.5	2.12	—	—	10 19	3.5
4	22 39 29	129	− 5 59.0	+16.0	58.7	5 51.5	1.98	0 18	0.7	11 40	3.3
5	23 30 7	125	+ 0 26.2	+16.0	58.0	6 38.1	1.91	0 33	0.6	12 59	3.3
6	0 19 39	124	+ 6 41.3	+15.2	57.4	7 23.6	1.89	0 48	0.6	14 16	3.2
7	1 9 21	125	+12 30.2	+13.8	56.7	8 9.2	1.92	1 4	0.7	15 32	3.2
8	2 0 13	129	+17 38.1	+11.8	56.2	8 56.0	1.99	1 22	0.8	16 48	3.1
9	2 52 55	134	+21 50.8	+ 9.2	55.7	9 44.6	2.07	1 43	1.0	18 2	3.0
10	3 47 33	139	+24 55.1	+ 6.1	55.2	10 35.2	2.14	2 10	1.3	19 12	2.8
11	4 43 36	141	+26 40.7	+ 2.7	54.8	11 27.1	2.18	2 46	1.7	20 14	2.4
12	5 39 58	140	+27 2.3	− 0.9	54.5	12 19.4	2.17	3 32	2.1	21 5	1.9
13	6 35 22	136	+26 1.1	− 4.2	54.2	13 10.8	2.10	4 28	2.5	21 45	1.5

Tag	0ʰ Welt-Zeit									
	Scheinbare Rektaszension		Scheinbare Deklination		Parallaxe		Halbmesser		Länge	Breite
1934	h m s	m s	° ′	° ′	′ ″	″	′ ″	″	°	°
Juni 13	6 6 11	52 44	+26 43.6	1 33.4	54 20.8	12.0	14 50.0	3.3	91.384	+3.284
14	6 58 55	50 36	+25 10.2	2 40.0	54 8.8	6.2	14 46.7	1.7	103.316	+2.399
15	7 49 31	48 11	+22 30.2	3 35.8	54 2.6	0.5	14 45.0	0.1	115.148	+1.414
16	8 37 42	45 59	+18 54.4	4 20.5	54 3.1	8.3	14 45.1	2.3	126.927	+0.370
17	9 23 41	44 22	+14 33.9	4 54.6	54 11.4	16.9	14 47.4	4.6	138.711	−0.692
18	10 8 3	43 33	+ 9 39.3	5 19.1	54 28.3	26.2	14 52.0	7.1	150.568	−1.733
19	10 51 36	43 41	+ 4 20.2	5 34.2	54 54.5	35.5	14 59.1	9.7	162.576	−2.712
20	11 35 17	44 57	− 1 14.0	5 39.4	55 30.0	44.2	15 8.8	12.1	174.818	−3.587
21	12 20 14	47 23	− 6 53.4	5 32.4	56 14.2	51.5	15 20.9	14.0	187.377	−4.314
22	13 7 37	51 0	−12 25.8	5 9.5	57 5.7	56.1	15 34.9	15.3	200.327	−4.846
23	13 58 37	55 40	−17 35.3	4 25.8	58 1.8	56.8	15 50.2	15.4	213.723	−5.137
24	14 54 17	60 43	−22 1.1	3 16.2	58 58.6	52.5	16 5.6	14.4	227.593	−5.144
25	15 55 0	65 3	−25 17.3	1 40.3	59 51.1	43.0	16 20.0	11.7	241.919	−4.835
26	17 0 3	67 15	−26 57.6	0 14.8	60 34.1	28.2	16 31.7	7.7	256.636	−4.204
27	18 7 18	66 32	−26 42.8	2 13.5	61 2.3	10.3	16 39.4	2.8	271.631	−3.274
28	19 13 50	63 22	−24 29.3	3 57.7	61 12.6	8.7	16 42.2	2.4	286.758	−2.107
29	20 17 12	59 3	−20 31.6	5 15.3	61 3.9	25.8	16 39.8	7.0	301.858	−0.791
30	21 16 15	54 53	−15 16.3	6 2.6	60 38.1	39.1	16 32.8	10.7	316.786	+0.566
Juli 1	22 11 8	51 38	− 9 13.7	6 22.4	59 59.0	47.3	16 22.1	12.9	331.431	+1.863
2	23 2 46	49 35	− 2 51.3	6 19.9	59 11.7	50.8	16 9.2	13.8	345.722	+3.012
3	23 52 21	48 45	+ 3 28.6	5 59.6	58 20.9	50.2	15 55.4	13.7	359.630	+3.951
4	0 41 6	48 59	+ 9 28.2	5 24.8	57 30.7	46.7	15 41.7	12.7	13.158	+4.642
5	1 30 5	50 2	+14 53.0	4 37.6	56 44.0	41.5	15 29.0	11.3	26.332	+5.068
6	2 20 7	51 32	+19 30.6	3 39.3	56 2.5	35.4	15 17.7	9.7	39.190	+5.227
7	3 11 39	52 59	+23 9.9	2 31.4	55 27.1	29.2	15 8.0	7.9	51.777	+5.129
8	4 4 38	53 57	+25 41.3	1 16.7	54 57.9	23.1	15 0.1	6.3	64.137	+4.793
9	4 58 35	53 58	+26 58.0	0 1.0	54 34.8	17.4	14 53.8	4.7	76.311	+4.243
10	5 52 33	52 56	+26 57.0	1 16.4	54 17.4	12.0	14 49.1	3.3	88.336	+3.512
11	6 45 29	51 5	+25 40.6	2 25.0	54 5.4	6.7	14 45.8	1.9	100.248	+2.632
12	7 36 34	48 46	+23 15.6	3 23.8	53 58.7	1.4	14 43.9	0.3	112.080	+1.643
13	8 25 20	46 30	+19 51.8	4 11.2	53 57.3	4.3	14 43.6	1.1	123.867	+0.585
14	9 11 50	44 38	+15 40.6	4 47.4	54 1.6	10.5	14 44.7	2.9	135.648	−0.498
15	9 56 28	43 28	+10 53.2	5 13.0	54 12.1	17.4	14 47.6	4.7	147.469	−1.565
16	10 39 56	43 8	+ 5 40.2	5 28.4	54 29.5	25.0	14 52.3	6.9	159.380	−2.573
17	11 23 4	43 48	+ 0 11.8	5 34.1	54 54.5	33.0	14 59.2	8.9	171.441	−3.480
18	12 6 52	45 32	− 5 22.3	5 28.8	55 27.5	40.8	15 8.1	11.2	183.715	−4.245
19	12 52 24	48 26	−10 51.1	5 10.4	56 8.3	48.1	15 19.3	13.1	196.270	−4.826
20	13 40 50	52 25	−16 1.5	4 35.1	56 56.4	53.6	15 32.4	14.6	209.171	−5.184
21	14 33 15	57 8	−20 36.6	3 38.4	57 50.0	56.3	15 47.0	15.3	222.476	−5.280
22	15 30 23	61 53	−24 15.0	2 17.6	58 46.3	54.6	16 2.3	14.9	236.221	−5.082
23	16 32 16	65 23	−26 32.6	0 34.1	59 40.9	47.8	16 17.2	13.0	250.412	−4.574
24	17 37 39		−27 6.7		60 28.7		16 30.2		265.017	−3.759

Tag	Obere Kulmination in Greenwich							0^h Länge, + 50° Breite			
	AR.	Änderung für 1^h westl. Länge	Dekl.	Änderung für 1^h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1^h westl. Länge	Aufgang	Änderung für 1^h westl. Länge	Untergang	Änderung für 1^h westl. Länge
1934	h m s	s	° ′	′	′	h m	m	h m	m	h m	m
Juni 13	6 35 22	136	+26 1.1	− 4.2	54.2	13 10.8	2.10	4 28	2.5	21 45	1.5
14	7 28 43	130	+23 44.3	− 7.1	54.1	14 0.0	2.00	5 31	2.8	22 15	1.1
15	8 19 28	124	+20 23.2	− 9.5	54.0	14 46.7	1.89	6 40	2.9	22 38	0.9
16	9 7 39	118	+16 10.5	−11.4	54.1	15 30.8	1.80	7 49	2.9	22 56	0.7
17	9 53 47	113	+11 18.0	−12.9	54.4	16 12.9	1.72	8 58	2.9	23 12	0.6
18	10 38 44	112	+ 5 56.7	−13.9	54.8	16 53.8	1.70	10 7	2.9	23 25	0.5
19	11 23 31	113	+ 0 16.4	−14.4	55.3	17 34.5	1.71	11 16	2.9	23 38	0.6
20	12 9 20	117	− 5 32.5	−14.6	56.0	18 16.3	1.78	12 27	3.0	23 52	0.6
21	12 57 29	125	−11 17.9	−14.1	56.9	19 0.3	1.91	13 40	3.1	—	—
22	13 49 23	136	−16 43.7	−12.9	57.9	19 48.2	2.09	14 58	3.3	0 8	0.7
23	14 46 18	149	−21 27.9	−10.6	58.8	20 41.0	2.32	16 19	3.4	0 27	0.9
24	15 48 52	163	−25 2.0	− 7.0	59.8	21 39.5	2.55	17 43	3.4	0 53	1.3
25	16 56 29	174	−26 55.1	− 2.2	60.5	22 43.0	2.72	19 3	3.1	1 30	1.8
26	18 6 47	176	−26 43.4	+ 3.2	61.0	23 49.2	2.76	20 10	2.4	2 21	2.5
27	—	—	—	—	—	—	—	21 0	1.8	3 32	3.2
28	19 16 18	170	−24 22.0	+ 8.4	61.2	0 54.5	2.66	21 36	1.3	4 56	3.7
29	20 22 8	159	−20 8.6	+12.5	61.0	1 56.3	2.47	22 2	1.0	6 28	3.8
30	21 23 4	146	−14 34.6	+15.1	60.6	2 53.1	2.27	22 22	0.8	7 57	3.6
Juli 1	22 19 24	136	− 8 14.6	+16.4	59.9	3 45.3	2.10	22 39	0.7	9 23	3.5
2	23 12 19	129	− 1 38.1	+16.5	59.0	4 34.2	1.99	22 55	0.6	10 45	3.4
3	0 3 15	126	+ 4 51.1	+15.8	58.2	5 21.1	1.93	23 10	0.7	12 4	3.3
4	0 53 32	126	+10 54.9	+14.4	57.3	6 7.3	1.93	23 27	0.8	13 22	3.2
5	1 44 20	128	+16 18.2	+12.4	56.5	6 54.0	1.97	23 48	1.0	14 38	3.1
6	2 36 29	132	+20 47.9	+ 9.9	55.8	7 42.0	2.04	—	—	15 53	3.0
7	3 30 20	137	+24 11.9	+ 7.0	55.3	8 31.8	2.11	0 13	1.2	17 4	2.8
8	4 25 40	140	+26 20.4	+ 3.7	54.8	9 23.1	2.15	0 46	1.6	18 8	2.5
9	5 21 41	140	+27 7.0	+ 0.2	54.4	10 15.0	2.16	1 28	2.0	19 3	2.0
10	6 17 14	137	+26 30.7	− 3.2	54.2	11 6.5	2.12	2 21	2.4	19 45	1.6
11	7 11 10	132	+24 36.5	− 6.3	54.0	11 56.4	2.03	3 22	2.7	20 18	1.2
12	8 2 44	126	+21 34.1	− 8.9	54.0	12 43.8	1.93	4 29	2.9	20 43	0.9
13	8 51 43	119	+17 35.8	−10.9	54.0	13 28.7	1.82	5 39	2.9	21 3	0.8
14	9 38 25	114	+12 54.3	−12.5	54.1	14 11.4	1.74	6 48	2.9	21 19	0.6
15	10 23 30	111	+ 7 41.6	−13.5	54.4	14 52.4	1.69	7 57	2.9	21 32	0.6
16	11 7 51	111	+ 2 8.7	−14.1	54.7	15 32.7	1.68	9 6	2.9	21 46	0.6
17	11 52 32	113	− 3 34.1	−14.3	55.3	16 13.4	1.72	10 14	2.9	21 59	0.6
18	12 38 44	118	− 9 15.5	−14.0	55.9	16 55.5	1.80	11 25	3.0	22 13	0.6
19	13 27 44	127	−14 42.4	−13.1	56.7	17 40.4	1.95	12 39	3.1	22 30	0.8
20	14 20 49	139	−19 37.6	−11.3	57.6	18 29.4	2.15	13 56	3.3	22 52	1.1
21	15 19 2	152	−23 38.6	− 8.5	58.6	19 23.6	2.37	15 17	3.4	23 22	1.5
22	16 22 40	165	−26 18.0	− 4.5	59.5	20 23.1	2.58	16 37	3.2	—	—
23	17 30 36	173	−27 8.5	+ 0.5	60.4	21 26.9	2.71	17 50	2.7	0 5	2.1
24	18 40 11	173	−25 52.8	+ 5.8	61.0	22 32.4	2.71	18 48	2.1	1 4	2.9

Tag		0h Welt-Zeit									
		Scheinbare Rektaszension		Scheinbare Deklination		Parallaxe		Halbmesser		Länge	Breite
1934		h m s	m s	° ′	° ′	′ ″	″	′ ″	″	°	°
Juli	24	17 37 39	66 34	−27 6.7	1 22.2	60 28.7	35.5	16 30.2	9.7	265.017	−3.759
	25	18 44 13	65 5	−25 44.5	3 15.5	61 4.2	18.4	16 39.9	5.0	279.955	−2.673
	26	19 49 18	61 45	−22 29.0	4 49.6	61 22.6	$\overline{1.4}$	16 44.9	$\overline{0.4}$	295.104	−1.385
	27	20 51 3	57 49	−17 39.4	5 54.9	61 21.2	21.0	16 44.5	5.7	310.314	+0.007
	28	21 48 52	54 20	−11 44.5	6 29.4	61 0.2	37.8	16 38.8	10.3	325.424	+1.390
	29	22 43 12	51 50	− 5 15.1	6 36.2	60 22.4	49.5	16 28.5	13.5	340.291	+2.657
	30	23 35 2	50 29	+ 1 21.1	6 20.2	59 32.9	55.7	16 15.0	15.2	354.805	+3.721
	31	0 25 31	50 12	+ 7 41.3	5 46.2	58 37.2	56.7	15 59.8	15.4	8.901	+4.526
Aug.	1	1 15 43	50 48	+13 27.5	4 58.2	57 40.5	53.6	15 44.4	14.6	22.555	+5.047
	2	2 6 31	51 53	+18 25.7	3 58.6	56 46.9	47.5	15 29.8	13.0	35.782	+5.280
	3	2 58 24	53 6	+22 24.3	2 49.9	55 59.4	40.0	15 16.8	10.9	48.622	+5.241
	4	3 51 30	53 56	+25 14.2	1 35.0	55 19.4	31.7	15 5.9	8.6	61.131	+4.951
	5	4 45 26	54 0	+26 49.2	0 17.3	54 47.7	23.4	14 57.3	6.4	73.374	+4.440
	6	5 39 26	53 9	+27 6.5	$\overline{0\ 58.7}$	54 24.3	15.7	14 50.9	4.3	85.416	+3.741
	7	6 32 35	51 28	+26 7.8	2 9.1	54 8.6	8.6	14 46.6	2.3	97.317	+2.887
	8	7 24 3	49 18	+23 58.7	3 10.4	54 0.0	2.2	14 44.3	0.6	109.134	+1.915
	9	8 13 21	47 6	+20 48.3	4 1.1	53 57.8	$\overline{3.4}$	14 43.7	$\overline{0.9}$	120.918	+0.864
	10	9 0 27	45 11	+16 47.2	4 40.6	54 1.2	8.7	14 44.6	2.4	132.711	−0.224
	11	9 45 38	43 50	+12 6.6	5 8.9	54 9.9	13.7	14 47.0	3.7	144.554	−1.307
	12	10 29 28	43 14	+ 6 57.7	5 26.5	54 23.6	18.8	14 50.7	5.2	156.483	−2.339
	13	11 12 42	43 32	+ 1 31.2	5 33.5	54 42.4	24.2	14 55.9	6.5	168.534	−3.278
	14	11 56 14	44 45	− 4 2.3	5 29.2	55 6.6	29.8	15 2.4	8.2	180.744	−4.080
	15	12 40 59	47 0	− 9 31.5	5 12.4	55 36.4	35.6	15 10.6	9.7	193.153	−4.704
	16	13 27 59	50 15	−14 43.9	4 40.6	56 12.0	41.2	15 20.3	11.2	205.802	−5.114
	17	14 18 14	54 16	−19 24.5	3 51.0	56 53.2	46.0	15 31.5	12.5	218.735	−5.276
	18	15 12 30	58 33	−23 15.5	2 40.9	57 39.2	48.8	15 44.0	13.3	231.992	−5.167
	19	16 11 3	62 15	−25 56.4	1 10.2	58 28.0	49.0	15 57.3	13.4	245.607	−4.769
	20	17 13 18	64 20	−27 6.6	$\overline{0\ 35.8}$	59 17.0	45.1	16 10.7	12.3	259.595	−4.082
	21	18 17 38	64 15	−26 30.8	2 26.1	60 2.1	36.4	16 23.0	9.9	273.951	−3.125
	22	19 21 53	62 12	−24 4.7	4 6.9	60 38.5	23.1	16 32.9	6.3	288.631	−1.944
	23	20 24 5	59 9	−19 57.8	5 26.6	61 1.6	6.0	16 39.2	1.6	303.559	−0.614
	24	21 23 14	56 2	−14 31.2	6 18.6	61 7.6	$\overline{12.6}$	16 40.8	$\overline{3.4}$	318.619	+0.770
	25	22 19 16	53 35	− 8 12.6	6 41.6	60 55.0	30.0	16 37.4	8.2	333.671	+2.098
	26	23 12 51	52 7	− 1 31.0	6 37.9	60 25.0	44.1	16 29.2	12.0	348.568	+3.267
	27	0 4 58	51 39	+ 5 6.9	6 11.3	59 40.9	53.0	16 17.2	14.5	3.178	+4.197
	28	0 56 37	52 1	+11 18.2	5 26.2	58 47.9	56.7	16 2.7	15.4	17.401	+4.841
	29	1 48 38	52 55	+16 44.4	4 26.6	57 51.2	55.4	15 47.3	15.1	31.181	+5.181
	30	2 41 33	53 57	+21 11.0	3 16.3	56 55.8	50.4	15 32.2	13.7	44.507	+5.226
	31	3 35 30	54 38	+24 27.3	1 59.2	56 5.4	42.9	15 18.5	11.7	57.404	+5.003
Sept.	1	4 30 8	54 38	+26 26.5	0 39.4	55 22.5	33.8	15 6.8	9.2	69.926	+4.545
	2	5 24 46	53 43	+27 5.9	$\overline{0\ 38.5}$	54 48.7	24.3	14 57.6	6.6	82.146	+3.889
	3	6 18 29		+26 27.4		54 24.4		14 51.0		94.141	+3.074

Tag	Obere Kulmination in Greenwich							0h Länge, + 50° Breite			
	AR.	Änderung für 1h westl. Länge	Dekl.	Änderung für 1h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1h westl. Länge	Aufgang	Änderung für 1h westl. Länge	Untergang	Änderung für 1h westl. Länge
1934	h m s	s	° ′	′	′	h m	m	h m	m	h m	m
Juli 24	18 40 11	173	−25 52.8	+ 5.8	61.0	22 32.4	2.71	18 48	2.1	1 4	2.9
25	19 48 15	166	−22 33.1	+10.7	61.4	23 36.3	2.60	19 31	1.5	2 22	3.5
26	—	—	—	—	—	—	—	20 1	1.1	3 52	3.8
27	20 52 34	155	−17 31.1	+14.3	61.3	0 36.5	2.41	20 25	0.9	5 24	3.8
28	21 52 27	144	−11 20.3	+16.4	61.0	1 32.3	2.24	20 43	0.7	6 55	3.7
29	22 48 29	136	− 4 35.3	+17.1	60.3	2 24.3	2.10	21 0	0.7	8 21	3.5
30	23 41 52	131	+ 2 13.5	+16.8	59.4	3 13.6	2.02	21 16	0.7	9 44	3.4
31	0 33 56	130	+ 8 42.1	+15.5	58.5	4 1.6	1.99	21 33	0.8	11 5	3.3
Aug. 1	1 25 52	131	+14 31.7	+13.5	57.5	4 49.4	2.01	21 52	0.9	12 24	3.3
2	2 18 35	133	+19 27.4	+11.0	56.6	5 38.1	2.05	22 16	1.1	13 41	3.1
3	3 12 36	137	+23 17.1	+ 8.1	55.8	6 28.0	2.11	22 46	1.5	14 55	2.9
4	4 7 54	139	+25 51.3	+ 4.8	55.1	7 19.2	2.15	23 26	1.9	16 2	2.6
5	5 3 53	140	+27 3.8	+ 1.3	54.6	8 11.1	2.16	—	—	17 0	2.2
6	5 59 37	138	+26 53.1	− 2.2	54.3	9 2.8	2.13	0 15	2.3	17 46	1.7
7	6 54 1	134	+25 22.7	− 5.3	54.1	9 53.1	2.05	1 14	2.6	18 22	1.3
8	7 46 17	128	+22 40.9	− 8.1	54.0	10 41.3	1.96	2 20	2.8	18 48	1.0
9	8 36 5	121	+18 58.9	−10.3	54.0	11 27.0	1.85	3 29	2.9	19 9	0.8
10	9 23 34	116	+14 29.1	−12.1	54.1	12 10.4	1.77	4 38	2.9	19 26	0.7
11	10 9 15	113	+ 9 23.8	−13.3	54.3	12 52.0	1.71	5 48	2.9	19 41	0.6
12	10 53 53	111	+ 3 54.9	−14.0	54.6	13 32.6	1.68	6 56	2.9	19 54	0.5
13	11 38 24	112	− 1 46.2	−14.3	54.9	14 13.1	1.70	8 5	2.9	20 7	0.6
14	12 23 49	116	− 7 28.0	−14.1	55.4	14 54.5	1.76	9 15	3.0	20 21	0.6
15	13 11 17	122	−12 57.7	−13.3	56.0	15 37.8	1.87	10 27	3.1	20 37	0.7
16	14 1 56	132	−18 0.2	−11.8	56.7	16 24.5	2.03	11 42	3.2	20 56	0.9
17	14 56 49	143	−22 16.8	− 9.4	57.4	17 15.2	2.21	13 0	3.3	21 22	1.3
18	15 56 28	155	−25 25.0	− 6.1	58.3	18 10.8	2.41	14 18	3.2	21 58	1.8
19	17 0 34	165	−27 0.6	− 1.7	59.1	19 10.8	2.57	15 32	2.8	22 48	2.5
20	18 7 28	169	−26 43.8	+ 3.2	59.9	20 13.6	2.64	16 34	2.3	23 56	3.1
21	19 14 40	166	−24 26.7	+ 8.1	60.6	21 16.7	2.59	17 23	1.8	—	—
22	20 19 46	159	−20 18.3	+12.4	61.0	22 17.7	2.48	17 58	1.3	1 18	3.6
23	21 21 26	150	−14 42.3	+15.4	61.1	23 15.2	2.33	18 25	1.0	2 48	3.8
24	—	—	—	—	—	—	—	18 46	0.8	4 19	3.8
25	22 19 37	142	− 8 10.0	+17.1	60.9	0 9.3	2.19	19 3	0.7	5 48	3.6
26	23 15 4	136	− 1 14.0	+17.4	60.4	1 0.7	2.10	19 20	0.7	7 14	3.6
27	0 8 56	134	+ 5 36.6	+16.6	59.6	1 50.5	2.06	19 37	0.8	8 39	3.5
28	1 2 22	134	+11 56.9	+14.9	58.7	2 39.8	2.06	19 56	0.9	10 1	3.4
29	1 56 17	136	+17 27.2	+12.5	57.7	3 29.6	2.10	20 19	1.1	11 22	3.3
30	2 51 14	139	+21 52.0	+ 9.5	56.8	4 20.5	2.15	20 47	1.3	12 39	3.1
31	3 47 19	141	+24 59.9	+ 6.1	55.9	5 12.5	2.18	21 23	1.7	13 50	2.8
Sept. 1	4 44 2	142	+26 44.1	+ 2.6	55.2	6 5.2	2.19	22 10	2.1	14 52	2.4
2	5 40 28	140	+27 2.6	− 1.0	54.7	6 57.5	2.16	23 6	2.5	15 43	1.9
3	6 35 38	136	+25 59.0	− 4.3	54.3	7 48.6	2.09	—	—	16 22	1.4

Mond 1934

Tag		0ʰ Welt-Zeit									
		Scheinbare Rektaszension	Diff.	Scheinbare Deklination	Diff.	Parallaxe	Diff.	Halbmesser	Diff.	Länge	Breite
1934		h m s	m s	° ′	° ′	′ ″	″	′ ″	″	°	°
Sept.	3	6 18 29	52 2	+26 27.4	1 50.7	54 24.4	14.8	14 51.0	4.1	94.141	+3.074
	4	7 10 31	49 53	+24 36.7	2 54.3	54 9.6	6.0	14 46.9	1.6	105.993	+2.136
	5	8 0 24	47 40	+21 42.4	3 47.9	54 3.6	1.8	14 45.3	0.5	117.777	+1.113
	6	8 48 4	45 45	+17 54.5	4 30.7	54 5.4	8.5	14 45.8	2.3	129.563	+0.045
	7	9 33 49	44 20	+13 23.8	5 2.8	54 13.9	14.1	14 48.1	3.8	141.410	−1.030
	8	10 18 9	43 39	+ 8 21.0	5 24.3	54 28.0	18.7	14 51.9	5.1	153.365	−2.066
	9	11 1 48	43 47	+ 2 56.7	5 34.5	54 46.7	22.4	14 57.0	6.1	165.466	−3.020
	10	11 45 35	44 47	− 2 37.8	5 33.0	55 9.1	25.5	15 3.1	7.0	177.740	−3.846
	11	12 30 22	46 43	− 8 10.8	5 18.5	55 34.6	28.2	15 10.1	7.7	190.205	−4.502
	12	13 17 5	49 31	−13 29.3	4 48.7	56 2.8	30.9	15 17.8	8.4	202.874	−4.948
	13	14 6 36	52 59	−18 18.0	4 2.1	56 33.7	33.4	15 26.2	9.1	215.757	−5.154
	14	14 59 35	56 44	−22 20.1	2 56.6	57 7.1	35.5	15 35.3	9.7	228.865	−5.096
	15	15 56 19	60 2	−25 16.7	1 33.0	57 42.6	36.9	15 45.0	10.0	242.209	−4.763
	16	16 56 21	62 6	−26 49.7	0 4.4	58 19.5	36.7	15 55.0	10.0	255.802	−4.160
	17	17 58 27	62 22	−26 45.3	1 47.6	58 56.2	34.2	16 5.0	9.3	269.653	−3.306
	18	19 0 49	60 57	−24 57.7	3 25.6	59 30.4	28.7	16 14.3	7.8	283.765	−2.236
	19	20 1 46	58 31	−21 32.1	4 48.8	59 59.1	19.8	16 22.1	5.4	298.124	−1.010
	20	21 0 17	55 53	−16 43.3	5 50.5	60 18.9	7.6	16 27.5	2.1	312.692	+0.298
	21	21 56 10	53 44	−10 52.8	6 27.2	60 26.5	6.6	16 29.6	1.8	327.400	+1.596
	22	22 49 54	52 27	− 4 25.6	6 38.5	60 19.9	21.4	16 27.8	5.8	342.152	+2.788
	23	23 42 21	52 5	+ 2 12.9	6 25.5	59 58.5	34.5	16 22.0	9.4	356.830	+3.788
	24	0 34 26	52 34	+ 8 38.4	5 50.4	59 24.0	44.5	16 12.6	12.1	11.311	+4.527
	25	1 27 0	53 38	+14 28.8	4 56.7	58 39.5	50.1	16 0.5	13.7	25.486	+4.969
	26	2 20 38	54 49	+19 25.5	3 48.3	57 49.4	51.3	15 46.8	14.0	39.275	+5.107
	27	3 15 27	55 40	+23 13.8	2 29.9	56 58.1	48.5	15 32.8	13.2	52.640	+4.959
	28	4 11 7	55 45	+25 43.7	1 7.2	56 9.6	42.3	15 19.6	11.5	65.584	+4.557
	29	5 6 52	54 51	+26 50.9	0 14.1	55 27.3	34.0	15 8.1	9.3	78.144	+3.944
	30	6 1 43	53 3	+26 36.8	1 29.6	54 53.3	24.3	14 58.8	6.6	90.383	+3.164
Okt.	1	6 54 46	50 43	+25 7.2	2 35.9	54 29.0	14.1	14 52.2	3.8	102.383	+2.257
	2	7 45 29	48 20	+22 31.3	3 31.8	54 14.9	4.0	14 48.4	1.1	114.232	+1.264
	3	8 33 49	46 14	+18 59.5	4 17.2	54 10.9	5.4	14 47.3	1.4	126.020	+0.223
	4	9 20 3	44 42	+14 42.3	4 52.3	54 16.3	13.7	14 48.7	3.8	137.831	−0.828
	5	10 4 45	43 55	+ 9 50.0	5 17.5	54 30.0	20.5	14 52.5	5.6	149.744	−1.850
	6	10 48 40	43 57	+ 4 32.5	5 32.3	54 50.5	25.5	14 58.1	6.9	161.821	−2.799
	7	11 32 37	44 55	− 0 59.8	5 35.8	55 16.0	28.9	15 5.0	7.9	174.111	−3.634
	8	12 17 32	46 46	− 6 35.6	5 25.8	55 44.9	30.4	15 12.9	8.3	186.641	−4.308
	9	13 4 18	49 30	−12 1.4	5 0.4	56 15.3	30.6	15 21.2	8.3	199.422	−4.781
	10	13 53 48	52 54	−17 1.8	4 16.8	56 45.9	29.5	15 29.5	8.0	212.446	−5.015
	11	14 46 42	56 30	−21 18.6	3 13.8	57 15.4	27.9	15 37.5	7.6	225.692	−4.985
	12	15 43 12	59 38	−24 32.4	1 52.3	57 43.3	25.8	15 45.1	7.1	239.135	−4.682
	13	16 42 50	61 31	−26 24.7	0 17.2	58 9.1	23.5	15 52.2	6.4	252.745	−4.111
	14	17 44 21		−26 41.9		58 32.6		15 58.6		266.501	−3.296

Tag	Obere Kulmination in Greenwich: AR.	Änderung für 1h westl. Länge	Dekl.	Änderung für 1h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1h westl. Länge	0h Länge, + 50° Breite: Aufgang	Änderung für 1h westl. Länge	Untergang	Änderung für 1h westl. Länge
1934	h m s	s	° ′	′	′	h m	m	h m	m	h m	m
Sept. 3	6 35 38	136	+25 59.0	− 4.3	54.3	7 48.6	2.09	—	—	16 22	1.4
4	7 28 42	130	+23 40.9	− 7.2	54.1	8 37.6	1.99	0 9	2.8	16 52	1.1
5	8 19 20	124	+20 18.9	− 9.6	54.1	9 24.1	1.89	1 18	2.9	17 15	0.9
6	9 7 36	118	+16 4.7	−11.5	54.1	10 8.4	1.80	2 27	2.9	17 33	0.7
7	9 53 59	114	+11 10.3	−12.9	54.3	10 50.6	1.73	3 37	2.9	17 49	0.6
8	10 39 10	112	+ 5 47.2	−13.9	54.6	11 31.8	1.70	4 46	2.9	18 2	0.6
9	11 24 1	112	+ 0 7.1	−14.4	55.0	12 12.6	1.71	5 55	2.9	18 16	0.6
10	12 9 29	115	− 5 37.8	−14.3	55.4	12 54.0	1.75	7 5	3.0	18 30	0.6
11	12 56 35	121	−11 14.2	−13.6	55.8	13 37.0	1.85	8 17	3.0	18 45	0.7
12	13 46 22	129	−16 26.9	−12.3	56.4	14 22.8	1.98	9 31	3.1	19 3	0.9
13	14 39 44	138	−20 57.9	−10.1	56.9	15 12.0	2.14	10 47	3.2	19 27	1.2
14	15 37 13	149	−24 26.9	− 7.1	57.5	16 5.5	2.31	12 6	3.2	19 59	1.6
15	16 38 41	158	−26 32.3	− 3.2	58.1	17 2.8	2.46	13 20	2.9	20 43	2.1
16	17 42 57	163	−26 56.0	+ 1.3	58.8	18 3.0	2.53	14 25	2.4	21 42	2.8
17	18 48 4	162	−25 28.2	+ 6.0	59.4	19 4.0	2.53	15 17	1.9	22 57	3.3
18	19 51 55	157	−22 12.0	+10.2	59.9	20 3.7	2.44	15 56	1.4	—	—
19	20 53 9	149	−17 23.0	+13.7	60.3	21 0.9	2.32	16 25	1.1	0 21	3.6
20	21 51 25	142	−11 25.1	+16.0	60.4	21 55.0	2.20	16 48	0.9	1 49	3.7
21	22 47 13	137	− 4 45.8	+17.1	60.3	22 46.7	2.12	17 6	0.8	3 17	3.6
22	23 41 31	135	+ 2 6.6	+17.1	60.0	23 37.0	2.08	17 24	0.7	4 43	3.6
23	—	—	—	—	—	—	—	17 41	0.7	6 8	3.5
24	0 35 24	135	+ 8 45.3	+16.0	59.4	0 26.8	2.08	17 59	0.8	7 31	3.5
25	1 29 51	137	+14 46.2	+14.0	58.6	1 17.1	2.12	18 20	1.0	8 55	3.4
26	2 25 29	141	+19 48.9	+11.2	57.7	2 8.7	2.18	18 47	1.3	10 15	3.3
27	3 22 26	144	+23 37.1	+ 7.8	56.9	3 1.6	2.23	19 20	1.6	11 31	3.0
28	4 20 15	145	+26 0.3	+ 4.1	56.0	3 55.3	2.24	20 3	2.0	12 39	2.6
29	5 17 59	143	+26 54.5	+ 0.4	55.3	4 48.9	2.21	20 56	2.4	13 35	2.1
30	6 14 29	139	+26 22.0	− 3.1	54.8	5 41.3	2.15	21 58	2.7	14 20	1.6
Okt. 1	7 8 48	133	+24 30.9	− 6.1	54.4	6 31.6	2.04	23 5	2.8	14 53	1.2
2	8 0 29	126	+21 32.1	− 8.7	54.2	7 19.2	1.93	—	—	15 18	0.9
3	8 49 35	120	+17 37.6	−10.8	54.2	8 4.2	1.83	0 14	2.9	15 38	0.8
4	9 36 33	115	+12 58.9	−12.4	54.3	8 47.1	1.75	1 24	2.9	15 55	0.6
5	10 22 9	113	+ 7 47.1	−13.5	54.6	9 28.7	1.72	2 33	2.9	16 9	0.6
6	11 7 13	113	+ 2 13.0	−14.2	55.0	10 9.7	1.71	3 42	2.9	16 23	0.6
7	11 52 45	115	− 3 32.0	−14.4	55.5	10 51.2	1.75	4 52	3.0	16 37	0.6
8	12 39 47	120	− 9 14.8	−14.0	56.0	11 34.1	1.84	6 4	3.0	16 52	0.7
9	13 29 20	128	−14 40.0	−12.9	56.5	12 19.6	1.96	7 18	3.1	17 10	0.8
10	14 22 19	137	−19 29.0	−11.0	57.0	13 8.5	2.12	8 35	3.2	17 32	1.1
11	15 19 17	147	−23 20.7	− 8.1	57.5	14 1.4	2.29	9 53	3.2	18 2	1.5
12	16 20 6	156	−25 53.0	− 4.4	58.0	14 58.1	2.43	11 10	3.0	18 43	2.0
13	17 23 39	161	−26 47.2	0.0	58.4	15 57.6	2.50	12 18	2.6	19 37	2.6
14	18 28 1	160	−25 53.5	+ 4.5	58.8	16 57.8	2.50	13 13	2.0	20 47	3.1

Tag	0h Welt-Zeit									
	Scheinbare Rektaszension		Scheinbare Deklination		Parallaxe		Halbmesser		Länge	Breite
1934	h m s	m s	° ′	° ′	′ ″	″	′ ″	″	°	°
Okt. 14	17 44 21	61 38	−26 41.9	1 23.0	58 32.6	21.0	15 58.6	5.7	266.501	−3.296
15	18 45 59	60 7	−25 18.9	2 58.1	58 53.6	17.8	16 4.3	4.9	280.389	−2.279
16	19 46 6	57 35	−22 20.8	4 19.7	59 11.4	13.7	16 9.2	3.7	294.401	−1.116
17	20 43 41	54 56	−18 1.1	5 22.4	59 25.1	8.1	16 12.9	2.2	308.529	+0.124
18	21 38 37	52 44	−12 38.7	6 4.0	59 33.2	0.7	16 15.1	0.2	322.759	+1.365
19	22 31 21	51 27	− 6 34.7	6 23.9	59 33.9	7.9	16 15.3	2.2	337.061	+2.524
20	23 22 48	51 7	− 0 10.8	6 22.2	59 26.0	17.5	16 13.1	4.8	351.384	+3.523
21	0 13 55	51 45	+ 6 11.4	5 59.3	59 8.5	26.9	16 8.3	7.3	5.655	+4.296
22	1 5 40	53 3	+12 10.7	5 16.5	58 41.6	34.7	16 1.0	9.4	19.789	+4.797
23	1 58 43	54 40	+17 27.2	4 15.9	58 6.9	40.3	15 51.6	11.0	33.697	+5.002
24	2 53 23	56 3	+21 43.1	3 1.2	57 26.6	42.7	15 40.6	11.6	47.306	+4.917
25	3 49 26	56 39	+24 44.3	1 38.4	56 43.9	41.7	15 29.0	11.4	60.566	+4.565
26	4 46 5	56 5	+26 22.7	0 14.0	56 2.2	37.8	15 17.6	10.3	73.461	+3.985
27	5 42 10	54 24	+26 36.7	1 5.7	55 24.4	31.2	15 7.3	8.5	86.008	+3.224
28	6 36 34	51 58	+25 31.0	2 16.0	54 53.2	22.7	14 58.8	6.2	98.251	+2.329
29	7 28 32	49 17	+23 15.0	3 14.8	54 30.5	12.8	14 52.6	3.5	110.259	+1.345
30	8 17 49	46 49	+20 0.2	4 2.3	54 17.7	2.4	14 49.1	0.6	122.114	+0.313
31	9 4 38	44 57	+15 57.9	4 39.3	54 15.3	8.1	14 48.5	2.2	133.909	−0.726
Nov. 1	9 49 35	43 52	+11 18.6	5 6.5	54 23.4	17.8	14 50.7	4.8	145.735	−1.737
2	10 33 27	43 40	+ 6 12.1	5 24.7	54 41.2	26.4	14 55.5	7.2	157.684	−2.681
3	11 17 7	44 27	+ 0 47.4	5 32.8	55 7.6	33.1	15 2.7	9.0	169.836	−3.519
4	12 1 34	46 14	− 4 45.4	5 29.1	55 40.7	37.5	15 11.7	10.3	182.255	−4.208
5	12 47 48	49 1	−10 14.5	5 10.7	56 18.2	39.1	15 22.0	10.6	194.985	−4.705
6	13 36 49	52 36	−15 25.2	4 34.1	56 57.3	37.8	15 32.6	10.3	208.045	−4.972
7	14 29 25	56 34	−19 59.3	3 36.5	57 35.1	34.0	15 42.9	9.3	221.422	−4.975
8	15 25 59	60 10	−23 35.8	2 17.5	58 9.1	28.0	15 52.2	7.6	235.078	−4.697
9	16 26 9	62 30	−25 53.3	0 41.6	58 37.1	20.9	15 59.8	5.7	248.955	−4.138
10	17 28 39	62 49	−26 34.9	1 1.6	58 58.0	13.3	16 5.5	3.6	262.983	−3.324
11	18 31 28	61 9	−25 33.3	2 40.1	59 11.3	6.3	16 9.1	1.7	277.097	−2.300
12	19 32 37	58 14	−22 53.2	4 3.7	59 17.6	0.2	16 10.8	0.1	291.242	−1.130
13	20 30 51	55 2	−18 49.5	5 7.2	59 17.8	4.9	16 10.9	1.3	305.379	+0.111
14	21 25 53	52 20	−13 42.3	5 49.1	59 12.9	9.3	16 9.6	2.6	319.485	+1.344
15	22 18 13	50 34	− 7 53.2	6 10.5	59 3.6	13.2	16 7.0	3.6	333.547	+2.491
16	23 8 47	49 52	− 1 42.7	6 12.6	58 50.4	17.2	16 3.4	4.7	347.553	+3.483
17	23 58 39	50 15	+ 4 29.9	5 56.5	58 33.2	21.3	15 58.7	5.8	1.484	+4.261
18	0 48 54	51 30	+10 26.4	5 22.4	58 11.9	25.3	15 52.9	6.8	15.311	+4.783
19	1 40 24	53 18	+15 48.8	4 31.0	57 46.6	29.0	15 46.1	8.0	28.995	+5.024
20	2 33 42	55 9	+20 19.8	3 24.2	57 17.6	31.9	15 38.1	8.6	42.490	+4.980
21	3 28 51	56 26	+23 44.0	2 5.9	56 45.7	33.3	15 29.5	9.1	55.753	+4.666
22	4 25 17	56 35	+25 49.9	0 42.0	56 12.4	32.9	15 20.4	9.0	68.750	+4.113
23	5 21 52	55 27	+26 31.9	0 40.5	55 39.5	30.3	15 11.4	8.2	81.463	+3.364
24	6 17 19		+25 51.4		55 9.2		15 3.2		93.899	+2.466

Tag	Obere Kulmination in Greenwich							0^h Länge, + 50° Breite			
	AR.	Änderung für 1^h westl. Länge	Dekl.	Änderung für 1^h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1^h westl. Länge	Aufgang	Änderung für 1^h westl. Länge	Untergang	Änderung für 1^h westl. Länge
1934	h m s	s	° ′	′	′	h m	m	h m	m	h m	m
Okt. 14	18 28 1	160	−25 53.5	+ 4.5	58.8	16 57.8	2.50	13 13	2.0	20 47	3.1
15	19 31 9	155	−23 14.0	+ 8.7	59.1	17 58.6	2.41	13 55	1.5	22 6	3.4
16	20 31 39	147	−19 2.3	+12.1	59.4	18 53.3	2.28	14 27	1.2	23 30	3.5
17	21 29 7	140	−13 39.0	+14.6	59.5	19 46.6	2.17	14 51	0.9	—	—
18	22 24 2	135	− 7 27.5	+16.1	59.6	20 37.5	2.08	15 10	0.8	0 56	3.5
19	23 17 21	132	− 0 51.9	+16.6	59.5	21 26.7	2.04	15 28	0.7	2 19	3.5
20	0 10 12	132	+ 5 44.2	+16.2	59.2	22 15.5	2.04	15 44	0.7	3 42	3.4
21	1 3 39	135	+11 57.7	+14.8	58.7	23 4.9	2.08	16 2	0.8	5 4	3.4
22	1 58 33	139	+17 26.4	+12.5	58.1	23 55.7	2.15	16 22	0.9	6 26	3.4
23	—	—	—	—	—	—	—	16 46	1.1	7 48	3.4
24	2 55 15	144	+21 50.4	+ 9.3	57.4	0 48.3	2.23	17 17	1.5	9 7	3.2
25	3 53 28	147	+24 54.1	+ 5.8	56.7	1 42.4	2.28	17 56	1.9	10 20	2.8
26	4 52 15	147	+26 28.3	+ 2.0	56.0	2 37.1	2.27	18 46	2.3	11 22	2.3
27	5 50 16	143	+26 31.9	− 1.7	55.3	3 31.0	2.21	19 45	2.6	12 12	1.8
28	6 46 15	137	+25 11.1	− 5.0	54.8	4 22.9	2.10	20 51	2.8	12 50	1.4
29	7 39 26	129	+22 37.4	− 7.7	54.4	5 12.0	1.99	22 0	2.9	13 19	1.1
30	8 29 40	122	+19 3.9	−10.0	54.3	5 58.2	1.87	23 9	2.9	13 41	0.8
31	9 17 20	117	+14 43.2	−11.7	54.3	6 41.8	1.78	—	—	13 59	0.7
Nov. 1	10 3 11	113	+ 9 46.7	−13.0	54.5	7 23.6	1.72	0 18	2.9	14 15	0.6
2	10 48 7	112	+ 4 24.4	−13.8	54.8	8 4.5	1.70	1 26	2.9	14 29	0.6
3	11 33 12	114	− 1 13.7	−14.3	55.3	8 45.5	1.73	2 35	2.9	14 42	0.6
4	12 19 32	118	− 6 56.3	−14.2	55.9	9 27.8	1.80	3 46	3.0	14 57	0.7
5	13 8 15	126	−12 29.9	−13.5	56.6	10 12.4	1.93	4 59	3.1	15 14	0.8
6	14 0 28	136	−17 36.7	−11.9	57.2	11 0.6	2.09	6 16	3.3	15 35	1.0
7	14 56 55	147	−21 55.1	− 9.4	57.9	11 52.9	2.28	7 35	3.3	16 2	1.4
8	15 57 45	157	−25 0.4	− 5.9	58.4	12 49.7	2.44	8 54	3.2	16 40	1.9
9	17 2 0	163	−26 29.8	− 1.5	58.8	13 49.8	2.55	10 7	2.8	17 31	2.5
10	18 7 38	164	−26 8.9	+ 3.2	59.1	14 51.3	2.55	11 8	2.3	18 38	3.0
11	19 12 10	158	−23 57.8	+ 7.6	59.3	15 51.7	2.46	11 55	1.7	19 56	3.4
12	20 13 46	150	−20 10.0	+11.2	59.3	16 49.3	2.33	12 29	1.3	21 19	3.5
13	21 11 47	141	−15 7.6	+13.8	59.2	17 43.2	2.18	12 55	1.0	22 44	3.5
14	22 6 34	134	− 9 14.9	+15.4	59.1	18 33.9	2.06	13 16	0.8	—	—
15	22 59 7	130	− 2 54.9	+16.1	58.9	19 22.4	2.00	13 33	0.7	0 6	3.4
16	23 50 41	129	+ 3 31.0	+15.9	58.6	20 9.9	1.98	13 50	0.7	1 27	3.3
17	0 42 29	131	+ 9 42.7	+14.9	58.2	20 57.6	2.01	14 6	0.7	2 46	3.3
18	1 35 33	135	+15 20.8	+13.1	57.8	21 46.6	2.08	14 25	0.9	4 6	3.3
19	2 30 36	140	+20 5.9	+10.5	57.3	22 37.5	2.17	14 47	1.0	5 26	3.3
20	3 27 43	145	+23 40.6	+ 7.3	56.8	23 30.6	2.25	15 15	1.3	6 45	3.2
21	—	—	—	—	—	—	—	15 50	1.7	8 0	3.0
22	4 26 16	147	+25 51.4	+ 3.6	56.2	0 25.0	2.28	16 36	2.1	9 7	2.6
23	5 24 58	146	+26 31.7	− 0.2	55.6	1 19.6	2.25	17 32	2.5	10 3	2.1
24	6 22 20	141	+25 43.8	− 3.7	55.1	2 12.9	2.18	18 36	2.8	10 46	1.6

Mond 1934

Tag	0h Welt-Zeit									
	Scheinbare Rektaszension		Scheinbare Deklination		Parallaxe		Halbmesser		Länge	Breite
1934	h m s	m s	° ′	° ′	′ ″	″	′ ″	″	°	°
Nov. 24	6 17 19	53 14	+25 51.4	1 55.1	55 9.2	25.6	15 3.2	7.0	93.899	+2.466
25	7 10 33	50 28	+23 56.3	2 58.1	54 43.6	18.9	14 56.2	5.2	106.084	+1.470
26	8 1 1	47 42	+20 58.2	3 48.7	54 24.7	10.5	14 51.0	2.8	118.067	+0.421
27	8 48 43	45 24	+17 9.5	4 27.4	54 14.2	1.0	14 48.2	0.3	129.913	−0.637
28	9 34 7	43 49	+12 42.1	4 55.7	54 13.2	9.4	14 47.9	2.5	141.703	−1.664
29	10 17 56	43 9	+ 7 46.4	5 14.9	54 22.6	19.8	14 50.4	5.1	153.523	−2.623
30	11 1 5	43 30	+ 2 31.5	5 25.3	54 42.4	29.8	14 55.9	8.1	165.464	−3.478
Dez. 1	11 44 35	44 53	− 2 53.8	5 25.9	55 12.2	38.5	15 4.0	10.5	177.615	−4.191
2	12 29 28	47 24	− 8 19.7	5 14.3	55 50.7	45.0	15 14.5	12.2	190.056	−4.726
3	13 16 52	50 56	−13 34.0	4 47.1	56 35.7	48.6	15 26.7	13.3	202.852	−5.042
4	14 7 48	55 13	−18 21.1	3 59.8	57 24.3	48.3	15 40.0	13.1	216.042	−5.105
5	15 3 1	59 38	−22 20.9	2 49.5	58 12.6	43.8	15 53.1	12.0	229.633	−4.886
6	16 2 39	63 6	−25 10.4	1 17.2	58 56.4	35.5	16 5.1	9.6	243.594	−4.374
7	17 5 45	64 37	−26 27.6	0 29.2	59 31.9	24.0	16 14.7	6.6	257.858	−3.581
8	18 10 22	63 41	−25 58.4	2 16.1	59 55.9	10.8	16 21.3	2.9	272.331	−2.546
9	19 14 3	60 51	−23 42.3	3 49.9	60 6.7	2.0	16 24.2	0.5	286.905	−1.336
10	20 14 54	57 14	−19 52.4	5 1.1	60 4.7	13.3	16 23.7	3.6	301.477	−0.035
11	21 12 8	53 49	−14 51.3	5 47.4	59 51.4	21.7	16 20.1	6.0	315.959	+1.262
12	22 5 57	51 16	− 9 3.9	6 10.1	59 29.7	27.5	16 14.1	7.4	330.288	+2.467
13	22 57 13	49 53	− 2 53.8	6 12.4	59 2.2	30.4	16 6.7	8.3	344.428	+3.506
14	23 47 6	49 37	+ 3 18.6	5 56.9	58 31.8	31.5	15 58.4	8.6	358.358	+4.320
15	0 36 43	50 22	+ 9 15.5	5 25.3	58 0.3	31.4	15 49.8	8.6	12.075	+4.874
16	1 27 5	51 53	+14 40.8	4 38.6	57 28.9	30.6	15 41.2	8.3	25.579	+5.147
17	2 18 58	53 43	+19 19.4	3 37.7	56 58.3	29.6	15 32.9	8.2	38.871	+5.138
18	3 12 41	55 17	+22 57.1	2 25.1	56 28.7	28.6	15 24.7	7.7	51.950	+4.860
19	4 7 58	56 2	+25 22.2	1 4.9	56 0.1	27.1	15 17.0	7.4	64.816	+4.338
20	5 4 0	55 35	+26 27.1	0 17.0	55 33.0	25.2	15 9.6	6.8	77.467	+3.610
21	5 59 35	53 55	+26 10.1	1 34.1	55 7.8	22.6	15 2.8	6.2	89.907	+2.719
22	6 53 30	51 26	+24 36.0	2 41.2	54 45.2	18.7	14 56.6	5.1	102.148	+1.714
23	7 44 56	48 39	+21 54.8	3 35.9	54 26.5	13.5	14 51.5	3.7	114.211	+0.643
24	8 33 35	46 6	+18 18.9	4 17.7	54 13.0	7.0	14 47.8	1.9	126.131	−0.446
25	9 19 41	44 7	+14 1.2	4 47.9	54 6.0	0.8	14 45.9	0.2	137.953	−1.509
26	10 3 48	42 57	+ 9 13.3	5 7.9	54 6.8	9.8	14 46.1	2.7	149.737	−2.505
27	10 46 45	42 43	+ 4 5.4	5 18.7	54 16.6	19.7	14 48.8	5.4	161.552	−3.398
28	11 29 28	43 30	− 1 13.3	5 20.7	54 36.3	29.7	14 54.2	8.1	173.474	−4.152
29	12 12 58	45 22	− 6 34.0	5 12.5	55 6.0	39.3	15 2.3	10.7	185.587	−4.736
30	12 58 20	48 21	−11 46.5	4 52.0	55 45.3	47.9	15 13.0	13.0	197.973	−5.114
31	13 46 41		−16 38.5		56 33.2		15 26.0		210.706	−5.256

Tag	Obere Kulmination in Greenwich							0h Länge, + 50° Breite			
	AR.	Änderung für 1h westl. Länge	Dekl.	Änderung für 1h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1h westl. Länge	Aufgang	Änderung für 1h westl. Länge	Untergang	Änderung für 1h westl. Länge
1934	h m s	s	° ′	′	′	h m	m	h m	m	h m	m
Nov. 24	6 22 20	141	+25 43.8	− 3.7	55.1	2 12.9	2.18	18 36	2.8	10 46	1.6
25	7 17 9	133	+23 36.9	− 6.8	54.7	3 3.7	2.05	19 44	2.9	11 19	1.2
26	8 8 52	125	+20 24.5	− 9.2	54.4	3 51.3	1.92	20 54	2.9	11 43	0.9
27	8 57 35	118	+16 20.9	−11.0	54.2	4 35.9	1.80	22 2	2.8	12 3	0.8
28	9 43 54	114	+11 38.9	−12.4	54.2	5 18.2	1.73	23 10	2.8	12 19	0.6
29	10 28 43	111	+ 6 29.3	−13.3	54.4	5 59.0	1.68	—	—	12 33	0.6
30	11 13 4	111	+ 1 1.9	−13.9	54.8	6 39.3	1.69	0 18	2.8	12 47	0.6
Dez. 1	11 58 6	114	− 4 33.9	−14.0	55.4	7 20.3	1.74	1 26	2.9	13 1	0.6
2	12 45 2	121	−10 7.1	−13.6	56.1	8 3.1	1.84	2 37	3.0	13 17	0.7
3	13 35 7	130	−15 23.6	−12.6	56.9	8 49.1	2.00	3 51	3.2	13 36	0.9
4	14 29 28	142	−20 4.5	−10.6	57.7	9 39.4	2.20	5 9	3.3	14 0	1.2
5	15 28 47	154	−23 45.6	− 7.6	58.5	10 34.6	2.40	6 30	3.3	14 33	1.6
6	16 32 45	165	−26 0.3	− 3.5	59.2	11 34.5	2.57	7 47	3.0	15 19	2.3
7	17 39 42	169	−26 25.9	+ 1.4	59.8	12 37.3	2.64	8 55	2.5	16 21	2.9
8	18 46 54	166	−24 53.4	+ 6.3	60.1	13 40.4	2.59	9 49	2.0	17 38	3.4
9	19 51 42	157	−21 31.4	+10.4	60.1	14 41.1	2.45	10 29	1.4	19 2	3.6
10	20 52 35	147	−16 42.8	+13.4	60.0	15 37.9	2.28	10 58	1.1	20 29	3.6
11	21 49 28	138	−10 55.8	+15.3	59.6	16 30.7	2.13	11 21	0.9	21 54	3.5
12	22 43 11	131	− 4 37.6	+16.1	59.2	17 20.3	2.02	11 39	0.7	23 16	3.4
13	23 34 58	128	+ 1 48.4	+16.0	58.7	18 8.0	1.97	11 56	0.7	—	—
14	0 26 10	128	+ 8 2.1	+15.1	58.1	18 55.2	1.97	12 13	0.7	0 36	3.3
15	1 18 0	131	+13 45.7	+13.5	57.6	19 42.9	2.02	12 30	0.8	1 55	3.3
16	2 11 22	136	+18 42.6	+11.2	57.0	20 32.2	2.10	12 50	1.0	3 13	3.3
17	3 6 45	141	+22 36.8	+ 8.2	56.5	21 23.5	2.18	13 16	1.2	4 31	3.2
18	4 3 58	145	+25 14.4	+ 4.8	56.0	22 16.6	2.24	13 48	1.5	5 46	3.0
19	5 2 5	145	+26 26.2	+ 1.1	55.6	23 10.7	2.25	14 29	1.9	6 55	2.7
20	—	—	—	—	—	—	—	15 21	2.4	7 55	2.2
21	5 59 45	142	+26 9.9	− 2.5	55.1	0 4.2	2.20	16 23	2.7	8 42	1.7
22	6 55 33	136	+24 30.9	− 5.7	54.7	0 56.0	2.10	17 30	2.8	9 18	1.3
23	7 48 34	129	+21 40.8	− 8.4	54.4	1 44.9	1.98	18 39	2.9	9 45	1.0
24	8 38 31	121	+17 53.7	−10.4	54.2	2 30.8	1.85	19 48	2.9	10 7	0.8
25	9 25 43	115	+13 24.0	−11.9	54.1	3 13.9	1.75	20 56	2.8	10 24	0.7
26	10 10 52	111	+ 8 24.2	−13.0	54.1	3 55.0	1.69	22 3	2.8	10 39	0.6
27	10 54 54	110	+ 3 5.1	−13.6	54.3	4 35.0	1.66	23 11	2.8	10 52	0.6
28	11 38 53	111	− 2 23.6	−13.8	54.7	5 14.9	1.68	—	—	11 6	0.6
29	12 23 58	115	− 7 52.4	−13.6	55.2	5 55.9	1.75	0 19	2.9	11 21	0.7
30	13 11 24	123	−13 10.2	−12.8	56.0	6 39.3	1.88	1 30	3.0	11 38	0.8
31	14 2 26	133	−18 2.3	−11.4	56.8	7 26.3	2.05	2 44	3.1	11 58	1.0

Mond 1934

Phasen des Mondes

1934		Welt-Zeit h	m	
Jan.	0	20	53.9	Vollmond
	8	21	35.8	Letztes Viertel
	15	13	37.1	Neumond
	22	11	50.3	Erstes Viertel
	30	16	31.4	Vollmond
Febr.	7	9	21.6	Letztes Viertel
	14	0	43.4	Neumond
	21	6	4.7	Erstes Viertel
März	1	10	25.6	Vollmond
	8	18	5.8	Letztes Viertel
	15	12	8.3	Neumond
	23	1	44.5	Erstes Viertel
	31	1	14.5	Vollmond
April	7	0	48.5	Letztes Viertel
	13	23	57.0	Neumond
	21	21	20.4	Erstes Viertel
	29	12	45.4	Vollmond
Mai	6	6	41.0	Letztes Viertel
	13	12	30.1	Neumond
	21	15	19.8	Erstes Viertel
	28	21	41.4	Vollmond
Juni	4	12	52.7	Letztes Viertel
	12	2	11.5	Neumond
	20	6	36.7	Erstes Viertel
	27	5	7.9	Vollmond

1934		Welt-Zeit h	m	
Juli	3	20	27.9	Letztes Viertel
	11	17	5.9	Neumond
	19	18	52.9	Erstes Viertel
	26	12	8.6	Vollmond
Aug.	2	6	26.9	Letztes Viertel
	10	8	45.6	Neumond
	18	4	32.9	Erstes Viertel
	24	19	36.7	Vollmond
	31	19	39.9	Letztes Viertel
Sept.	9	0	20.1	Neumond
	16	12	25.9	Erstes Viertel
	23	4	18.9	Vollmond
	30	12	29.2	Letztes Viertel
Okt.	8	15	4.9	Neumond
	15	19	29.0	Erstes Viertel
	22	15	1.1	Vollmond
	30	8	21.8	Letztes Viertel
Nov.	7	4	43.6	Neumond
	14	2	39.4	Erstes Viertel
	21	4	26.3	Vollmond
	29	5	39.0	Letztes Viertel
Dez.	6	17	24.9	Neumond
	13	10	51.6	Erstes Viertel
	20	20	53.3	Vollmond
	29	2	8.1	Letztes Viertel

Mond in Erdnähe

1934		Welt-Zeit h
Jan.	15	1.2
Febr.	12	11.3
März	12	9.7
April	7	11.2
Mai	3	1.8
Mai	30	19.2
Juni	28	0.9
Juli	26	10.3
Aug.	23	19.8
Sept.	21	1.1
Okt.	18	14.3
Nov.	12	12.9
Dez.	9	8.0

Mond in Erdferne

1934		Welt-Zeit h
Jan.	0	15.2
Jan.	27	19.0
Febr.	24	10.2
März	24	5.9
April	21	1.7
Mai	18	19.9
Juni	15	10.3
Juli	12	18.2
Aug.	8	21.2
Sept.	5	6.1
Okt.	2	21.9
Okt.	30	17.4
Nov.	27	14.3
Dez.	25	9.6

Tag		0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1934		h m s	m s	° ′ ″	m s			h m
Jan.	0	17 48 3.55	6 42.06	−24 0 32.0	7 51.4	0.140 4158	2 2069	11 13.5
	1	17 54 45.61	6 44.34	24 8 23.4	6 37.1	0.142 6227	2 0239	11 16.3
	2	18 1 29.95	6 46.49	24 15 0.5	5 21.3	0.144 6466	1 8453	11 19.1
	3	18 8 16.44	6 48.51	24 20 21.8	4 4.1	0.146 4919	1 6701	11 21.9
	4	18 15 4.95	6 50.44	24 24 25.9	2 45.7	0.148 1620	1 4979	11 24.8
	5	18 21 55.39	6 52.25	24 27 11.6	1 26.1	0.149 6599	1 3284	11 27.7
	6	18 28 47.64	6 53.95	−24 28 37.7	0 5.2	0.150 9883	1 1607	11 30.7
	7	18 35 41.59	6 55.54	24 28 42.9	1 16.9	0.152 1490	9944	11 33.7
	8	18 42 37.13	6 57.04	24 27 26.0	2 39.9	0.153 1434	8290	11 36.7
	9	18 49 34.17	6 58.41	24 24 46.1	4 4.0	0.153 9724	6641	11 39.7
	10	18 56 32.58	6 59.67	24 20 42.1	5 29.2	0.154 6365	4991	11 42.7
	11	19 3 32.25	7 0.85	24 15 12.9	6 55.3	0.155 1356	3331	11 45.8
	12	19 10 33.10	7 1.89	−24 8 17.6	8 22.3	0.155 4687	1660	11 48.9
	13	19 17 34.99	7 2.83	23 59 55.3	9 50.1	0.155 6347	30	11 52.0
	14	19 24 37.82	7 3.66	23 50 5.2	11 18.8	0.155 6317	1743	11 55.1
	15	19 31 41.48	7 4.37	23 38 46.4	12 48.1	0.155 4574	3487	11 58.2
	16	19 38 45.85	7 4.96	23 25 58.3	14 18.3	0.155 1087	5268	12 1.4
	17	19 45 50.81	7 5.45	23 11 40.0	15 49.1	0.154 5819	7091	12 4.5
	18	19 52 56.26	7 5.81	−22 55 50.9	17 20.4	0.153 8728	8964	12 7.7
	19	20 0 2.07	7 6.03	22 38 30.5	18 52.2	0.152 9764	1 0894	12 10.8
	20	20 7 8.10	7 6.15	22 19 38.3	20 24.4	0.151 8870	1 2889	12 14.0
	21	20 14 14.25	7 6.11	21 59 13.9	21 57.0	0.150 5981	1 4960	12 17.2
	22	20 21 20.36	7 5.95	21 37 16.9	23 29.9	0.149 1021	1 7113	12 20.3
	23	20 28 26.31	7 5.62	21 13 47.0	25 2.7	0.147 3908	1 9359	12 23.5
	24	20 35 31.93	7 5.13	−20 48 44.3	26 35.6	0.145 4549	2 1711	12 26.7
	25	20 42 37.06	7 4.47	20 22 8.7	28 8.3	0.143 2838	2 4177	12 29.8
	26	20 49 41.53	7 3.60	19 54 0.4	29 40.6	0.140 8661	2 6771	12 32.9
	27	20 56 45.13	7 2.50	19 24 19.8	31 12.1	0.138 1890	2 9501	12 36.1
	28	21 3 47.63	7 1.16	18 53 7.7	32 42.8	0.135 2389	3 2385	12 39.2
	29	21 10 48.79	6 59.53	18 20 24.9	34 12.3	0.132 0004	3 5437	12 42.2
	30	21 17 48.32	6 57.56	−17 46 12.6	35 39.8	0.128 4567	3 8665	12 45.3
	31	21 24 45.88	6 55.21	17 10 32.8	37 5.4	0.124 5902	4 2085	12 48.3
Febr.	1	21 31 41.09	6 52.43	16 33 27.4	38 28.2	0.120 3817	4 5711	12 51.2
	2	21 38 33.52	6 49.14	15 54 59.2	39 47.6	0.115 8106	4 9555	12 54.1
	3	21 45 22.66	6 45.25	15 15 11.6	41 2.8	0.110 8551	5 3630	12 57.0
	4	21 52 7.91	6 40.69	14 34 8.8	42 12.9	0.105 4921	5 7939	12 59.8
	5	21 58 48.60	6 35.34	−13 51 55.9	43 17.0	0.099 6982	6 2491	13 2.5
	6	22 5 23.94	6 29.07	13 8 38.9	44 13.9	0.093 4491	6 7288	13 5.0
	7	22 11 53.01	6 21.78	12 24 25.0	45 2.1	0.086 7203	7 2321	13 7.5
	8	22 18 14.79	6 13.30	11 39 22.9	45 40.2	0.079 4882	7 7580	13 9.9
	9	22 24 28.09	6 3.47	10 53 42.7	46 6.7	0.071 7302	8 3040	13 12.1
	10	22 30 31.56		−10 7 36.0		0.063 4262		13 14.1

Tag	0h Welt-Zeit: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1934	h m s	m s	° ′ ″	′ ″			h m
Febr. 10	22 30 31.56	5 52.15	−10 7 36.0	46 20.0	0.063 4262	8 8670	13 14.1
11	22 36 23.71	5 39.16	9 21 16.0	46 18.1	0.054 5592	9 4425	13 15.9
12	22 42 2.87	5 24.34	8 34 57.9	45 59.2	0.045 1167	10 0241	13 17.5
13	22 47 27.21	5 7.55	7 48 58.7	45 21.7	0.035 0926	10 6044	13 18.8
14	22 52 34.76	4 48.65	7 3 37.0	44 23.8	0.024 4882	11 1738	13 19.8
15	22 57 23.41	4 27.55	6 19 13.2	43 3.7	0.013 3144	11 7221	13 20.5
16	23 1 50.96	4 4.20	−5 36 9.5	41 20.6	0.001 5923	12 2363	13 20.8
17	23 5 55.16	3 38.60	4 54 48.9	39 13.8	9.989 3560	12 7030	13 20.7
18	23 9 33.76	3 10.81	4 15 35.1	36 42.3	9.976 6530	13 1079	13 20.1
19	23 12 44.57	2 40.97	3 38 52.8	33 46.5	9.963 5451	13 4357	13 19.1
20	23 15 25.54	2 9.28	3 5 6.3	30 26.7	9.950 1094	13 6711	13 17.6
21	23 17 34.82	1 36.05	2 34 39.6	26 44.2	9.936 4383	13 7990	13 15.5
22	23 19 10.87	1 1.68	−2 7 55.4	22 41.0	9.922 6393	13 8053	13 12.8
23	23 20 12.55	0 26.63	1 45 14.4	18 19.3	9.908 8340	13 6777	13 9.6
24	23 20 39.18	0 8.54	1 26 55.1	13 42.4	9.895 1563	13 4051	13 5.8
25	23 20 30.64	0 43.18	1 13 12.7	8 54.4	9.881 7512	12 9803	13 1.4
26	23 19 47.46	1 16.59	1 4 18.3	4 0.0	9.868 7709	12 3993	12 56.4
27	23 18 30.87	1 48.04	1 0 18.3	0 55.4	9.856 3716	11 6624	12 51.0
28	23 16 42.83	2 16.76	−1 1 13.7	5 45.8	9.844 7092	10 7753	12 45.0
März 1	23 14 26.07	2 42.05	1 6 59.5	10 24.4	9.833 9339	9 7492	12 38.5
2	23 11 44.02	3 3.25	1 17 23.9	14 45.2	9.824 1847	8 6010	12 31.7
3	23 8 40.77	3 19.83	1 32 9.1	18 41.3	9.815 5837	7 3525	12 24.6
4	23 5 20.94	3 31.41	1 50 50.4	22 7.6	9.808 2312	6 0307	12 17.3
5	23 1 49.53	3 37.79	2 12 58.0	24 59.5	9.802 2005	4 6656	12 9.8
6	22 58 11.74	3 38.98	−2 37 57.5	27 13.8	9.797 5349	3 2879	12 2.2
7	22 54 32.76	3 35.21	3 5 11.3	28 49.3	9.794 2470	1 9283	11 54.7
8	22 50 57.55	3 26.81	3 34 0.6	29 45.9	9.792 3187	6149	11 47.3
9	22 47 30.74	3 14.29	4 3 46.5	30 5.6	9.791 7038	6285	11 40.0
10	22 44 16.45	2 58.29	4 33 52.1	29 51.0	9.792 3323	1 7825	11 33.0
11	22 41 18.16	2 39.42	5 3 43.1	29 6.1	9.794 1148	2 8336	11 26.3
12	22 38 38.74	2 18.39	−5 32 49.2	27 55.3	9.796 9484	3 7742	11 19.9
13	22 36 20.35	1 55.82	6 0 44.5	26 22.9	9.800 7226	4 6007	11 13.8
14	22 34 24.53	1 32.26	6 27 7.4	24 33.4	9.805 3233	5 3147	11 8.1
15	22 32 52.27	1 8.26	6 51 40.8	22 30.8	9.810 6380	5 9204	11 2.8
16	22 31 44.01	0 44.22	7 14 11.6	20 18.8	9.816 5584	6 4247	10 58.0
17	22 30 59.79	0 20.49	7 34 30.4	18 0.6	9.822 9831	6 8362	10 53.5
18	22 30 39.30	0 2.65	−7 52 31.0	15 38.5	9.829 8193	7 1641	10 49.4
19	22 30 41.95	0 25.01	8 8 9.5	13 14.7	9.836 9834	7 4179	10 45.7
20	22 31 6.96	0 46.44	8 21 24.2	10 51.1	9.844 4013	7 6066	10 42.3
21	22 31 53.40	1 6.85	8 32 15.3	8 28.6	9.852 0079	7 7393	10 39.3
22	22 33 0.25	1 26.19	8 40 43.9	6 8.1	9.859 7472	7 8238	10 36.6
23	22 34 26.44		−8 46 52.0		9.867 5710		10 34.3

Tag		0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1934		h m s	m s	° ′ ″	′ ″			h m
März	23	22 34 26.44	1 44.43	− 8 46 52.0	3 50.4	9.867 5710	7 8674	10 34.3
	24	22 36 10.87	2 1.59	8 50 42.4	1 36.2	9.875 4384	7 8768	10 32.2
	25	22 38 12.46	2 17.70	8 52 18.6	0 34.6	9.883 3152	7 8582	10 30.4
	26	22 40 30.16	2 32.78	8 51 44.0	2 41.7	9.891 1734	7 8162	10 28.9
	27	22 43 2.94	2 46.88	8 49 2.3	4 45.1	9.898 9896	7 7551	10 27.6
	28	22 45 49.82	3 0.07	8 44 17.2	6 44.7	9.906 7447	7 6786	10 26.5
	29	22 48 49.89	3 12.39	− 8 37 32.5	8 40.7	9.914 4233	7 5902	10 25.7
	30	22 52 2.28	3 23.92	8 28 51.8	10 33.1	9.922 0135	7 4923	10 25.0
	31	22 55 26.20	3 34.71	8 18 18.7	12 22.1	9.929 5058	7 3870	10 24.6
April	1	22 59 0.91	3 44.81	8 5 56.6	14 7.8	9.936 8928	7 2762	10 24.3
	2	23 2 45.72	3 54.28	7 51 48.8	15 50.3	9.944 1690	7 1615	10 24.1
	3	23 6 40.00	4 3.20	7 35 58.5	17 29.7	9.951 3305	7 0440	10 24.2
	4	23 10 43.20	4 11.59	− 7 18 28.8	19 6.2	9.958 3745	6 9247	10 24.3
	5	23 14 54.79	4 19.52	6 59 22.6	20 40.0	9.965 2992	6 8044	10 24.6
	6	23 19 14.31	4 27.02	6 38 42.6	22 11.0	9.972 1036	6 6839	10 25.1
	7	23 23 41.33	4 34.17	6 16 31.6	23 39.5	9.978 7875	6 5635	10 25.6
	8	23 28 15.50	4 40.98	5 52 52.1	25 5.6	9.985 3510	6 4434	10 26.3
	9	23 32 56.48	4 47.51	5 27 46.5	26 29.3	9.991 7944	6 3239	10 27.1
	10	23 37 43.99	4 53.80	− 5 1 17.2	27 50.7	9.998 1183	6 2052	10 28.0
	11	23 42 37.79	4 59.86	4 33 26.5	29 9.9	0.004 3235	6 0873	10 29.0
	12	23 47 37.65	5 5.76	4 4 16.6	30 27.0	0.010 4108	5 9704	10 30.1
	13	23 52 43.41	5 11.55	3 33 49.6	31 42.2	0.016 3812	5 8537	10 31.3
	14	23 57 54.96	5 17.22	3 2 7.4	32 55.3	0.022 2349	5 7374	10 32.6
	15	0 3 12.18	5 22.81	2 29 12.1	34 6.4	0.027 9723	5 6213	10 34.0
	16	0 8 34.99	5 28.38	− 1 55 5.7	35 15.6	0.033 5936	5 5046	10 35.5
	17	0 14 3.37	5 33.93	1 19 50.1	36 23.1	0.039 0982	5 3877	10 37.0
	18	0 19 37.30	5 39.51	0 43 27.0	37 28.4	0.044 4859	5 2692	10 38.7
	19	0 25 16.81	5 45.15	− 0 5 58.6	38 31.9	0.049 7551	5 1489	10 40.5
	20	0 31 1.96	5 50.85	+ 0 32 33.3	39 33.3	0.054 9040	5 0263	10 42.3
	21	0 36 52.81	5 56.66	1 12 6.6	40 32.8	0.059 9303	4 9004	10 44.3
	22	0 42 49.47	6 2.60	+ 1 52 39.4	41 30.3	0.064 8307	4 7705	10 46.3
	23	0 48 52.07	6 8.68	2 34 9.7	42 25.3	0.069 6012	4 6357	10 48.5
	24	0 55 0.75	6 14.94	3 16 35.0	43 18.1	0.074 2369	4 4955	10 50.7
	25	1 1 15.69	6 21.40	3 59 53.1	44 8.4	0.078 7324	4 3480	10 53.1
	26	1 7 37.09	6 28.06	4 44 1.5	44 55.7	0.083 0804	4 1928	10 55.5
	27	1 14 5.15	6 34.94	5 28 57.2	45 40.2	0.087 2732	4 0286	10 58.1
	28	1 20 40.09	6 42.07	+ 6 14 37.4	46 21.3	0.091 3018	3 8539	11 0.8
	29	1 27 22.16	6 49.45	7 0 58.7	46 58.7	0.095 1557	3 6674	11 3.6
	30	1 34 11.61	6 57.05	7 47 57.4	47 32.0	0.098 8231	3 4675	11 6.6
Mai	1	1 41 8.66	7 4.93	8 35 29.4	48 0.8	0.102 2906	3 2533	11 9.7
	2	1 48 13.59	7 13.03	9 23 30.2	48 24.4	0.105 5439	3 0228	11 12.9
	3	1 55 26.62		+10 11 54.6		0.108 5667		11 16.2

Tag		0h Welt-Zeit: Scheinbare Rektaszension		0h Welt-Zeit: Scheinbare Deklination		0h Welt-Zeit: log Δ		Obere Kulmination in Greenwich
1934		h m s	m s	° ′ ″	′ ″			h m
Mai	3	1 55 26.62	7 21.32	+10 11 54.6	48 42.3	0.108 5667	2 7745	11 16.2
	4	2 2 47.94	7 29.82	11 0 36.9	48 53.7	0.111 3412	2 5071	11 19.7
	5	2 10 17.76	7 38.44	11 49 30.6	48 58.1	0.113 8483	2 2192	11 23.3
	6	2 17 56.20	7 47.13	12 38 28.7	48 54.3	0.116 0675	1 9098	11 27.1
	7	2 25 43.33	7 55.82	13 27 23.0	48 42.0	0.117 9773	1 5781	11 31.0
	8	2 33 39.15	8 4.46	14 16 5.0	48 20.1	0.119 5554	1 2233	11 35.1
	9	2 41 43.61	8 12.89	+15 4 25.1	47 47.8	0.120 7787	8456	11 39.3
	10	2 49 56.50	8 21.03	15 52 12.9	47 4.3	0.121 6243	4457	11 43.7
	11	2 58 17.53	8 28.72	16 39 17.2	46 9.3	0.122 0700	247	11 48.2
	12	3 6 46.25	8 35.83	17 25 26.5	45 1.8	0.122 0947	4158	11 52.8
	13	3 15 22.08	8 42.23	18 10 28.3	43 42.2	0.121 6789	8730	11 57.5
	14	3 24 4.31	8 47.77	18 54 10.5	42 10.0	0.120 8059	1 3434	12 2.3
	15	3 32 52.08	8 52.30	+19 36 20.5	40 25.7	0.119 4625	1 8234	12 7.2
	16	3 41 44.38	8 55.71	20 16 46.2	38 29.9	0.117 6391	2 3082	12 12.2
	17	3 50 40.09	8 57.90	20 55 16.1	36 23.4	0.115 3309	2 7934	12 17.2
	18	3 59 37.99	8 58.82	21 31 39.5	34 7.6	0.112 5375	3 2742	12 22.3
	19	4 8 36.81	8 58.38	22 5 47.1	31 43.6	0.109 2633	3 7460	12 27.3
	20	4 17 35.19	8 56.61	22 37 30.7	29 13.2	0.105 5173	4 2044	12 32.3
	21	4 26 31.80	8 53.53	+23 6 43.9	26 37.9	0.101 3129	4 6459	12 37.3
	22	4 35 25.33	8 49.14	23 33 21.8	23 59.5	0.096 6670	5 0675	12 42.3
	23	4 44 14.47	8 43.53	23 57 21.3	21 19.7	0.091 5995	5 4667	12 47.1
	24	4 52 58.00	8 36.79	24 18 41.0	18 39.7	0.086 1328	5 8419	12 51.9
	25	5 1 34.79	8 29.00	24 37 20.7	16 1.2	0.080 2909	6 1924	12 56.5
	26	5 10 3.79	8 20.26	24 53 21.9	13 25.5	0.074 0985	6 5178	13 1.0
	27	5 18 24.05	8 10.66	+25 6 47.4	10 53.4	0.067 5807	6 8185	13 5.3
	28	5 26 34.71	8 0.31	25 17 40.8	8 25.7	0.060 7622	7 0951	13 9.4
	29	5 34 35.02	7 49.29	25 26 6.5	6 3.5	0.053 6671	7 3485	13 13.4
	30	5 42 24.31	7 37.67	25 32 10.0	3 47.0	0.046 3186	7 5801	13 17.2
	31	5 50 1.98	7 25.53	25 35 57.0	1 36.6	0.038 7385	7 7912	13 20.8
Juni	1	5 57 27.51	7 12.96	25 37 33.6	0 27.3	0.030 9473	7 9828	13 24.2
	2	6 4 40.47	6 59.97	+25 37 6.3	2 24.6	0.022 9645	8 1563	13 27.3
	3	6 11 40.44	6 46.62	25 34 41.7	4 15.0	0.014 8082	8 3136	13 30.3
	4	6 18 27.06	6 32.94	25 30 26.7	5 58.6	0.006 4946	8 4553	13 33.0
	5	6 25 0.00	6 18.97	25 24 28.1	7 35.6	9.998 0393	8 5820	13 35.5
	6	6 31 18.97	6 4.73	25 16 52.5	9 5.7	9.989 4573	8 6954	13 37.7
	7	6 37 23.70	5 50.20	25 7 46.8	10 29.0	9.980 7619	8 7957	13 39.7
	8	6 43 13.90	5 35.43	+24 57 17.8	11 45.7	9.971 9662	8 8834	13 41.4
	9	6 48 49.33	5 20.39	24 45 32.1	12 55.9	9.963 0828	8 9590	13 42.9
	10	6 54 9.72	5 5.09	24 32 36.2	13 59.7	9.954 1238	9 0224	13 44.2
	11	6 59 14.81	4 49.55	24 18 36.5	14 56.7	9.945 1014	9 0737	13 45.2
	12	7 4 4.36	4 33.71	24 3 39.8	15 47.7	9.936 0277	9 1123	13 45.9
	13	7 8 38.07		+23 47 52.1		9.926 9154		13 46.4

Tag		0ʰ Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1934		h m s	m s	° ′ ″	′ ″			h m
Juni	13	7 8 38.07	4 17.61	+23 47 52.1	16 32.3	9.926 9154	9 1380	13 46.4
	14	7 12 55.68	4 1.22	23 31 19.8	17 10.7	9.917 7774	9 1500	13 46.6
	15	7 16 56.90	3 44.52	23 14 9.1	17 42.9	9.908 6274	9 1471	13 46.5
	16	7 20 41.42	3 27.51	22 56 26.2	18 9.0	9.899 4803	9 1282	13 46.2
	17	7 24 8.93	3 10.18	22 38 17.2	18 29.0	9.890 3521	9 0923	13 45.5
	18	7 27 19.11	2 52.54	22 19 48.2	18 42.8	9.881 2598	9 0370	13 44.6
	19	7 30 11.65	2 34.55	+22 1 5.4	18 50.6	9.872 2228	8 9607	13 43.3
	20	7 32 46.20	2 16.28	21 42 14.8	18 52.3	9.863 2621	8 8613	13 41.8
	21	7 35 2.48	1 57.68	21 23 22.5	18 48.0	9.854 4008	8 7362	13 40.0
	22	7 37 0.16	1 38.80	21 4 34.5	18 37.4	9.845 6646	8 5828	13 37.8
	23	7 38 38.96	1 19.69	20 45 57.1	18 20.9	9.837 0818	8 3980	13 35.3
	24	7 39 58.65	1 0.37	20 27 36.2	17 58.5	9.828 6838	8 1788	13 32.5
	25	7 40 59.02	0 40.92	+20 9 37.7	17 30.1	9.820 5050	7 9222	13 29.4
	26	7 41 39.94	0 21.45	19 52 7.6	16 55.6	9.812 5828	7 6251	13 26.0
	27	7 42 1.39	0 2.02	19 35 12.0	16 15.5	9.804 9577	7 2841	13 22.2
	28	7 42 3.41	0 17.21	19 18 56.5	15 29.6	9.797 6736	6 8964	13 18.1
	29	7 41 46.20	0 36.11	19 3 26.9	14 38.3	9.790 7772	6 4597	13 13.8
	30	7 41 10.09	0 54.51	18 48 48.6	13 41.6	9.784 3175	5 9716	13 9.1
Juli	1	7 40 15.58	1 12.19	+18 35 7.0	12 39.9	9.778 3459	5 4305	13 4.1
	2	7 39 3.39	1 28.96	18 22 27.1	11 33.7	9.772 9154	4 8356	12 58.8
	3	7 37 34.43	1 44.62	18 10 53.4	10 23.2	9.768 0798	4 1878	12 53.2
	4	7 35 49.81	1 58.89	18 0 30.2	9 8.8	9.763 8920	3 4880	12 47.4
	5	7 33 50.92	2 11.54	17 51 21.4	7 51.1	9.760 4040	2 7384	12 41.4
	6	7 31 39.38	2 22.33	17 43 30.3	6 30.7	9.757 6656	1 9439	12 35.2
	7	7 29 17.05	2 31.04	+17 36 59.6	5 8.4	9.755 7217	1 1095	12 28.9
	8	7 26 46.01	2 37.46	17 31 51.2	3 44.7	9.754 6122	2413	12 22.4
	9	7 24 8.55	2 41.42	17 28 6.5	2 20.4	9.754 3709	6520	12 15.8
	10	7 21 27.13	2 42.78	17 25 46.1	0 56.4	9.755 0229	1 5616	12 9.2
	11	7 18 44.35	2 41.48	17 24 49.7	0 26.7	9.756 5845	2 4782	12 2.6
	12	7 16 2.87	2 37.45	17 25 16.4	1 48.2	9.759 0627	3 3921	11 56.0
	13	7 13 25.42	2 30.75	+17 27 4.6	3 7.1	9.762 4548	4 2928	11 49.5
	14	7 10 54.67	2 21.42	17 30 11.7	4 22.7	9.766 7476	5 1707	11 43.1
	15	7 8 33.25	2 9.62	17 34 34.4	5 34.4	9.771 9183	6 0173	11 37.0
	16	7 6 23.63	1 55.47	17 40 8.8	6 41.3	9.777 9356	6 8243	11 31.0
	17	7 4 28.16	1 39.18	17 46 50.1	7 43.1	9.784 7599	7 5847	11 25.3
	18	7 2 48.98	1 20.98	17 54 33.2	8 38.8	9.792 3446	8 2932	11 19.8
	19	7 1 28.00	1 1.07	+18 3 12.0	9 28.1	9.800 6378	8 9455	11 14.7
	20	7 0 26.93	0 39.70	18 12 40.1	10 10.5	9.809 5833	9 5391	11 9.9
	21	6 59 47.23	0 17.09	18 22 50.6	10 45.5	9.819 1224	10 0718	11 5.5
	22	6 59 30.14	0 6.54	18 33 36.1	11 12.5	9.829 1942	10 5422	11 1.5
	23	6 59 36.68	0 30.96	18 44 48.6	11 31.1	9.839 7364	10 9508	10 57.8
	24	7 0 7.64		+18 56 19.7		9.850 6872		10 54.6

Tag		0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1934		h m s	m s	° ′ ″	′ ″			h m
Juli	24	7 0 7.64	0 56.04	+18 56 19.7	11 41.1	9.850 6872	11 2989	10 54.6
	25	7 1 3.68	1 21.54	19 8 0.8	11 41.9	9.861 9861	11 5871	10 51.8
	26	7 2 25.22	1 47.34	19 19 42.7	11 33.1	9.873 5732	11 8165	10 49.4
	27	7 4 12.56	2 13.29	19 31 15.8	11 14.5	9.885 3897	11 9893	10 47.5
	28	7 6 25.85	2 39.24	19 42 30.3	10 45.7	9.897 3790	12 1072	10 45.9
	29	7 9 5.09	3 5.10	19 53 16.0	10 6.2	9.909 4862	12 1715	10 44.8
	30	7 12 10.19	3 30.75	+20 3 22.2	9 16.0	9.921 6577	12 1838	10 44.1
	31	7 15 40.94	3 56.04	20 12 38.2	8 14.8	9.933 8415	12 1457	10 43.9
Aug.	1	7 19 36.98	4 20.86	20 20 53.0	7 2.3	9.945 9872	12 0587	10 44.1
	2	7 23 57.84	4 45.12	20 27 55.3	5 38.4	9.958 0459	11 9235	10 44.7
	3	7 28 42.96	5 8.65	20 33 33.7	4 3.3	9.969 9694	11 7413	10 45.7
	4	7 33 51.61	5 31.34	20 37 37.0	2 17.1	9.981 7107	11 5134	10 47.1
	5	7 39 22.95	5 53.02	+20 39 54.1	0 20.1	9.993 2241	11 2411	10 48.8
	6	7 45 15.97	6 13.54	20 40 14.2	1 46.8	0.004 4652	10 9258	10 50.9
	7	7 51 29.51	6 32.73	20 38 27.4	4 3.3	0.015 3910	10 5698	10 53.3
	8	7 58 2.24	6 50.43	20 34 24.1	6 27.9	0.025 9608	10 1755	10 56.1
	9	8 4 52.67	7 6.51	20 27 56.2	8 59.2	0.036 1363	9 7457	10 59.1
	10	8 11 59.18	7 20.82	20 18 57.0	11 35.8	0.045 8820	9 2848	11 2.4
	11	8 19 20.00	7 33.23	+20 7 21.2	14 16.0	0.055 1668	8 7971	11 5.9
	12	8 26 53.23	7 43.69	19 53 5.2	16 57.5	0.063 9639	8 2879	11 9.6
	13	8 34 36.92	7 52.17	19 36 7.7	19 38.6	0.072 2518	7 7626	11 13.5
	14	8 42 29.09	7 58.64	19 16 29.1	22 17.3	0.080 0144	7 2272	11 17.5
	15	8 50 27.73	8 3.19	18 54 11.8	24 51.7	0.087 2416	6 6878	11 21.6
	16	8 58 30.92	8 5.89	18 29 20.1	27 20.3	0.093 9294	6 1498	11 25.7
	17	9 6 36.81	8 6.87	+18 1 59.8	29 41.3	0.100 0792	5 6187	11 29.9
	18	9 14 43.68	8 6.29	17 32 18.5	31 53.7	0.105 6979	5 0990	11 34.1
	19	9 22 49.97	8 4.33	17 0 24.8	33 56.8	0.110 7969	4 5948	11 38.2
	20	9 30 54.30	8 1.17	16 26 28.0	35 50.1	0.115 3917	4 1095	11 42.3
	21	9 38 55.47	7 57.00	15 50 37.9	37 33.1	0.119 5012	3 6449	11 46.4
	22	9 46 52.47	7 52.00	15 13 4.8	39 5.9	0.123 1461	3 2029	11 50.4
	23	9 54 44.47	7 46.34	+14 33 58.9	40 28.8	0.126 3490	2 7842	11 54.3
	24	10 2 30.81	7 40.19	13 53 30.1	41 42.0	0.129 1332	2 3890	11 58.1
	25	10 10 11.00	7 33.67	13 11 48.1	42 45.9	0.131 5222	2 0171	12 1.7
	26	10 17 44.67	7 26.91	12 29 2.2	43 41.0	0.133 5393	1 6678	12 5.3
	27	10 25 11.58	7 20.04	11 45 21.2	44 28.1	0.135 2071	1 3399	12 8.8
	28	10 32 31.62	7 13.11	11 0 53.1	45 7.6	0.136 5470	1 0326	12 12.1
	29	10 39 44.73	7 6.18	+10 15 45.5	45 40.2	0.137 5796	7443	12 15.3
	30	10 46 50.91	6 59.36	9 30 5.3	46 6.3	0.138 3239	4735	12 18.4
	31	10 53 50.27	6 52.68	8 43 59.0	46 26.6	0.138 7974	2193	12 21.4
Sept.	1	11 0 42.95	6 46.14	7 57 32.4	46 41.5	0.139 0167	204	12 24.3
	2	11 7 29.09	6 39.80	7 10 50.9	46 51.6	0.138 9963	2468	12 27.1
	3	11 14 8.89		+ 6 23 59.3		0.138 7495		12 29.8

Tag	0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1934	h m s	m s	° ′ ″	′ ″			h m
Sept. 3	11 14 8.89	6 33.67	+ 6 23 59.3	46 57.1	0.138 7495	4610	12 29.8
4	11 20 42.56	6 27.77	5 37 2.2	46 58.7	0.138 2885	6642	12 32.3
5	11 27 10.33	6 22.08	4 50 3.5	46 56.7	0.137 6243	8580	12 34.8
6	11 33 32.41	6 16.63	4 3 6.8	46 51.2	0.136 7663	1 0435	12 37.2
7	11 39 49.04	6 11.42	3 16 15.6	46 42.6	0.135 7228	1 2216	12 39.5
8	11 46 0.46	6 6.43	2 29 33.0	46 31.2	0.134 5012	1 3933	12 41.7
9	11 52 6.89	6 1.66	+ 1 43 1.8	46 17.3	0.133 1079	1 5597	12 43.8
10	11 58 8.55	5 57.11	0 56 44.5	46 0.8	0.131 5482	1 7215	12 45.9
11	12 4 5.66	5 52.76	+ 0 10 43.7	45 42.2	0.129 8267	1 8795	12 47.8
12	12 9 58.42	5 48.62	— 0 34 58.5	45 21.5	0.127 9472	2 0346	12 49.7
13	12 15 47.04	5 44.65	1 20 20.0	44 58.9	0.125 9126	2 1875	12 51.5
14	12 21 31.69	5 40.85	2 5 18.9	44 34.3	0.123 7251	2 3388	12 53.3
15	12 27 12.54	5 37.21	— 2 49 53.2	44 8.0	0.121 3863	2 4891	12 55.0
16	12 32 49.75	5 33.71	3 34 1.2	43 40.1	0.118 8972	2 6391	12 56.7
17	12 38 23.46	5 30.35	4 17 41.3	43 10.5	0.116 2581	2 7892	12 58.3
18	12 43 53.81	5 27.10	5 0 51.8	42 39.3	0.113 4689	2 9399	12 59.8
19	12 49 20.91	5 23.95	5 43 31.1	42 6.6	0.110 5290	3 0919	13 1.3
20	12 54 44.86	5 20.87	6 25 37.7	41 32.3	0.107 4371	3 2457	13 2.7
21	13 0 5.73	5 17.86	— 7 7 10.0	40 56.7	0.104 1914	3 4018	13 4.1
22	13 5 23.59	5 14.91	7 48 6.7	40 19.5	0.100 7896	3 5605	13 5.4
23	13 10 38.50	5 11.97	8 28 26.2	39 40.6	0.097 2291	3 7223	13 6.7
24	13 15 50.47	5 9.04	9 8 6.8	39 0.3	0.093 5068	3 8879	13 7.9
25	13 20 59.51	5 6.08	9 47 7.1	38 18.4	0.089 6189	4 0578	13 9.1
26	13 26 5.59	5 3.08	10 25 25.5	37 34.9	0.085 5611	4 2318	13 10.3
27	13 31 8.67	5 0.00	—11 3 0.4	36 49.5	0.081 3293	4 4111	13 11.4
28	13 36 8.67	4 56.82	11 39 49.9	36 2.3	0.076 9182	4 5959	13 12.4
29	13 41 5.49	4 53.49	12 15 52.2	35 13.1	0.072 3223	4 7864	13 13.3
30	13 45 58.98	4 49.98	12 51 5.3	34 22.0	0.067 5359	4 9833	13 14.3
Okt. 1	13 50 48.96	4 46.26	13 25 27.3	33 28.6	0.062 5526	5 1865	13 15.1
2	13 55 35.22	4 42.26	13 58 55.9	32 33.0	0.057 3661	5 3962	13 15.9
3	14 0 17.48	4 37.94	—14 31 28.9	31 34.8	0.051 9699	5 6134	13 16.6
4	14 4 55.42	4 33.26	15 3 3.7	30 33.8	0.046 3565	5 8379	13 17.3
5	14 9 28.68	4 28.13	15 33 37.5	29 30.1	0.040 5186	6 0696	13 17.9
6	14 13 56.81	4 22.51	16 3 7.6	28 23.1	0.034 4490	6 3086	13 18.3
7	14 18 19.32	4 16.30	16 31 30.7	27 12.5	0.028 1404	6 5547	13 18.7
8	14 22 35.62	4 9.44	16 58 43.2	25 58.2	0.021 5857	6 8079	13 19.0
9	14 26 45.06	4 1.81	—17 24 41.4	24 39.8	0.014 7778	7 0675	13 19.1
10	14 30 46.87	3 53.32	17 49 21.2	23 16.8	0.007 7103	7 3328	13 19.1
11	14 34 40.19	3 43.87	18 12 38.0	21 48.5	0.000 3775	7 6025	13 19.0
12	14 38 24.06	3 33.30	18 34 26.5	20 14.7	9.992 7750	7 8746	13 18.7
13	14 41 57.36	3 21.52	18 54 41.2	18 34.6	9.984 9004	8 1475	13 18.2
14	14 45 18.88		—19 13 15.8		9.976 7529		13 17.5

Tag	0h Welt-Zeit Scheinbare Rektaszension		0h Welt-Zeit Scheinbare Deklination		0h Welt-Zeit log Δ		Obere Kulmination in Greenwich
1934	h m s	m s	° ′ ″	′ ″			h m
Okt. 14	14 45 18.88	3 8.38	−19 13 15.8	16 47.5	9.976 7529	8 4182	13 17.5
15	14 48 27.26	2 53.70	19 30 3.3	14 52.6	9.968 3347	8 6828	13 16.6
16	14 51 20.96	2 37.37	19 44 55.9	12 49.2	9.959 6519	8 9364	13 15.4
17	14 53 58.33	2 19.21	19 57 45.1	10 36.0	9.950 7155	9 1729	13 13.9
18	14 56 17.54	1 59.08	20 8 21.1	8 12.1	9.941 5426	9 3847	13 12.1
19	14 58 16.62	1 36.85	20 16 33.2	5 36.4	9.932 1579	9 5625	13 9.9
20	14 59 53.47	1 12.44	−20 22 9.6	2 47.9	9.922 5954	9 6942	13 7.4
21	15 1 5.91	0 45.78	20 24 57.5	0 14.7	9.912 9012	9 7661	13 4.4
22	15 1 51.69	0 16.90	20 24 42.8	3 32.4	9.903 1351	9 7615	13 1.0
23	15 2 8.59	0 14.05	20 21 10.4	7 5.3	9.893 3736	9 6610	12 57.1
24	15 1 54.54	0 46.83	20 14 5.1	10 53.4	9.883 7126	9 4435	12 52.6
25	15 1 7.71	1 20.98	20 3 11.7	14 55.8	9.874 2691	9 0852	12 47.6
26	14 59 46.73	1 55.86	−19 48 15.9	19 9.9	9.865 1839	8 5621	12 42.0
27	14 57 50.87	2 30.56	19 29 6.0	23 31.7	9.856 6218	7 8516	12 35.9
28	14 55 20.31	3 3.98	19 5 34.3	27 54.6	9.848 7702	6 9350	12 29.2
29	14 52 16.33	3 34.73	18 37 39.7	32 9.9	9.841 8352	5 8006	12 21.9
30	14 48 41.60	4 1.35	18 5 29.8	36 6.3	9.836 0346	4 4487	12 14.2
31	14 44 40.25	4 22.28	17 29 23.5	39 30.6	9.831 5859	2 8936	12 6.1
Nov. 1	14 40 17.97	4 36.11	−16 49 52.9	42 9.1	9.828 6923	1 1659	11 57.7
2	14 35 41.86	4 41.71	16 7 43.8	43 48.7	9.827 5264	6852	11 49.1
3	14 31 0.15	4 38.42	15 23 55.1	44 19.0	9.828 2116	2 5968	11 40.6
4	14 26 21.73	4 26.17	14 39 36.1	43 34.3	9.830 8084	4 4972	11 32.1
5	14 21 55.56	4 5.41	13 56 1.8	41 33.9	9.835 3056	6 3125	11 23.9
6	14 17 50.15	3 37.17	13 14 27.9	38 23.1	9.841 6181	7 9760	11 16.1
7	14 14 12.98	3 2.96	−12 36 4.8	34 12.6	9.849 5941	9 4340	11 8.9
8	14 11 10.02	2 24.38	12 1 52.2	29 15.8	9.859 0281	10 6508	11 2.2
9	14 8 45.64	1 43.12	11 32 36.4	23 48.2	9.869 6789	11 6096	10 56.2
10	14 7 2.52	1 0.82	11 8 48.2	18 4.8	9.881 2885	12 3105	10 50.9
11	14 6 1.70	0 18.82	10 50 43.4	12 19.4	9.893 5990	12 7681	10 46.2
12	14 5 42.88	0 21.81	10 38 24.0	6 43.1	9.906 3671	13 0065	10 42.3
13	14 6 4.69	1 0.26	−10 31 40.9	1 24.5	9.919 3736	13 0557	10 39.0
14	14 7 4.95	1 36.00	10 30 16.4	3 30.4	9.932 4293	12 9472	10 36.3
15	14 8 40.95	2 8.77	10 33 46.8	7 58.0	9.945 3765	12 7124	10 34.2
16	14 10 49.72	2 38.45	10 41 44.8	11 56.6	9.958 0889	12 3807	10 32.7
17	14 13 28.17	3 5.08	10 53 41.4	15 26.2	9.970 4696	11 9772	10 31.6
18	14 16 33.25	3 28.82	11 9 7.6	18 27.5	9.982 4468	11 5232	10 30.9
19	14 20 2.07	3 49.84	−11 27 35.1	21 1.9	9.993 9700	11 0372	10 30.6
20	14 23 51.91	4 8.40	11 48 37.0	23 11.5	0.005 0072	10 5334	10 30.6
21	14 28 0.31	4 24.76	12 11 48.5	24 58.4	0.015 5406	10 0231	10 31.0
22	14 32 25.07	4 39.13	12 36 46.9	26 24.8	0.025 5637	9 5146	10 31.5
23	14 37 4.20	4 51.77	13 3 11.7	27 32.8	0.035 0783	9 0146	10 32.3
24	14 41 55.97		−13 30 44.5		0.044 0929		10 33.3

Tag		0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1934		h m s	m s	° ′ ″	′ ″			h m
Nov.	24	14 41 55.97	5 2.90	−13 30 44.5	28 24.6	0.044 0929	8 5275	10 33.3
	25	14 46 58.87	5 12.72	13 59 9.1	29 1.9	0.052 6204	8 0561	10 34.5
	26	14 52 11.59	5 21.39	14 28 11.0	29 26.4	0.060 6765	7 6025	10 35.8
	27	14 57 32.98	5 29.11	14 57 37.4	29 39.7	0.068 2790	7 1681	10 37.3
	28	15 3 2.09	5 35.99	15 27 17.1	29 43.2	0.075 4471	6 7531	10 38.9
	29	15 8 38.08	5 42.15	15 57 0.3	29 38.0	0.082 2002	6 3573	10 40.6
	30	15 14 20.23	5 47.72	−16 26 38.3	29 25.1	0.088 5575	5 9802	10 42.4
Dez.	1	15 20 7.95	5 52.76	16 56 3.4	29 5.5	0.094 5377	5 6217	10 44.3
	2	15 26 0.71	5 57.36	17 25 8.9	28 40.1	0.100 1594	5 2807	10 46.3
	3	15 31 58.07	6 1.61	17 53 49.0	28 9.3	0.105 4401	4 9563	10 48.4
	4	15 37 59.68	6 5.54	18 21 58.3	27 33.7	0.110 3964	4 6473	10 50.5
	5	15 44 5.22	6 9.18	18 49 32.0	26 54.1	0.115 0437	4 3532	10 52.7
	6	15 50 14.40	6 12.61	−19 16 26.1	26 10.7	0.119 3969	4 0727	10 54.9
	7	15 56 27.01	6 15.83	19 42 36.8	25 23.9	0.123 4696	3 8049	10 57.2
	8	16 2 42.84	6 18.89	20 8 0.7	24 34.0	0.127 2745	3 5491	10 59.5
	9	16 9 1.73	6 21.81	20 32 34.7	23 41.4	0.130 8236	3 3039	11 1.9
	10	16 15 23.54	6 24.61	20 56 16.1	22 46.1	0.134 1275	3 0689	11 4.4
	11	16 21 48.15	6 27.28	21 19 2.2	21 48.6	0.137 1964	2 8433	11 6.9
	12	16 28 15.43	6 29.87	−21 40 50.8	20 48.8	0.140 0397	2 6259	11 9.4
	13	16 34 45.30	6 32.39	22 1 39.6	19 47.1	0.142 6656	2 4160	11 12.0
	14	16 41 17.69	6 34.82	22 21 26.7	18 43.2	0.145 0816	2 2134	11 14.6
	15	16 47 52.51	6 37.17	22 40 9.9	17 37.8	0.147 2950	2 0167	11 17.3
	16	16 54 29.68	6 39.45	22 57 47.7	16 30.6	0.149 3117	1 8255	11 20.0
	17	17 1 9.13	6 41.69	23 14 18.3	15 21.6	0.151 1372	1 6395	11 22.7
	18	17 7 50.82	6 43.85	−23 29 39.9	14 11.1	0.152 7767	1 4575	11 25.5
	19	17 14 34.67	6 45.96	23 43 51.0	12 59.1	0.154 2342	1 2792	11 28.3
	20	17 21 20.63	6 48.00	23 56 50.1	11 45.6	0.155 5134	1 1041	11 31.1
	21	17 28 8.63	6 49.97	24 8 35.7	10 30.7	0.156 6175	9314	11 34.0
	22	17 34 58.60	6 51.86	24 19 6.4	9 14.3	0.157 5489	7605	11 36.9
	23	17 41 50.46	6 53.70	24 28 20.7	7 56.6	0.158 3094	5914	11 39.9
	24	17 48 44.16	6 55.45	−24 36 17.3	6 37.6	0.158 9008	4230	11 42.9
	25	17 55 39.61	6 57.12	24 42 54.9	5 17.3	0.159 3238	2548	11 45.9
	26	18 2 36.73	6 58.70	24 48 12.2	3 55.8	0.159 5786	866	11 48.9
	27	18 9 35.43	7 0.19	24 52 8.0	2 33.0	0.159 6652	824	11 51.9
	28	18 16 35.62	7 1.59	24 54 41.0	1 8.9	0.159 5828	2527	11 55.0
	29	18 23 37.21	7 2.87	24 55 49.9	0 16.2	0.159 3301	4247	11 58.1
	30	18 30 40.08	7 4.04	−24 55 33.7	1 42.5	0.158 9054	5991	12 1.2
	31	18 37 44.12	7 5.10	24 53 51.2	3 9.8	0.158 3063	7767	12 4.4
	32	18 44 49.22		−24 50 41.4		0.157 5296		12 7.6

Venus 1934

Tag		0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1934		h m s	m s	° ′ ″	′ ″			h m
Jan.	0	21 26 40.79	1 47.08	−14 57 1.6	19 20.2	9.615 8107	6 9146	14 49.5
	1	21 28 27.87	1 40.01	14 37 41.4	19 10.7	9.608 8961	6 9435	14 47.3
	2	21 30 7.88	1 32.74	14 18 30.7	18 59.2	9.601 9526	6 9673	14 44.9
	3	21 31 40.62	1 25.24	13 59 31.5	18 46.2	9.594 9853	6 9847	14 42.4
	4	21 33 5.86	1 17.58	13 40 45.3	18 31.5	9.588 0006	6 9954	14 39.8
	5	21 34 23.44	1 9.71	13 22 13.8	18 15.0	9.581 0052	6 9989	14 37.1
	6	21 35 33.15	1 1.60	−13 3 58.8	17 56.5	9.574 0063	6 9940	14 34.2
	7	21 36 34.75	0 53.33	12 46 2.3	17 36.2	9.567 0123	6 9802	14 31.2
	8	21 37 28.08	0 44.85	12 28 26.1	17 13.9	9.560 0321	6 9571	14 28.1
	9	21 38 12.93	0 36.17	12 11 12.2	16 49.8	9.553 0750	6 9233	14 24.8
	10	21 38 49.10	0 27.32	11 54 22.4	16 23.6	9.546 1517	6 8785	14 21.4
	11	21 39 16.42	0 18.28	11 37 58.8	15 55.3	9.539 2732	6 8215	14 17.8
	12	21 39 34.70	0 9.09	−11 22 3.5	15 25.0	9.532 4517	6 7511	14 14.1
	13	21 39 43.79	0 0.25	11 6 38.5	14 52.6	9.525 7006	6 6667	14 10.3
	14	21 39 43.54	0 9.73	10 51 45.9	14 17.9	9.519 0339	6 5669	14 6.2
	15	21 39 33.81	0 19.33	10 37 28.0	13 41.1	9.512 4670	6 4508	14 2.0
	16	21 39 14.48	0 28.98	10 23 46.9	13 1.9	9.506 0162	6 3175	13 57.7
	17	21 38 45.50	0 38.69	10 10 45.0	12 20.7	9.499 6987	6 1655	13 53.2
	18	21 38 6.81	0 48.42	− 9 58 24.3	11 37.3	9.493 5332	5 9934	13 48.5
	19	21 37 18.39	0 58.10	9 46 47.0	10 51.9	9.487 5398	5 8003	13 43.7
	20	21 36 20.29	1 7.68	9 35 55.1	10 4.4	9.481 7395	5 5857	13 38.7
	21	21 35 12.61	1 17.11	9 25 50.7	9 14.9	9.476 1538	5 3485	13 33.6
	22	21 33 55.50	1 26.31	9 16 35.8	8 23.9	9.470 8053	5 0881	13 28.3
	23	21 32 29.19	1 35.22	9 8 11.9	7 31.4	9.465 7172	4 8043	13 22.8
	24	21 30 53.97	1 43.76	− 9 0 40.5	6 37.7	9.460 9129	4 4974	13 17.2
	25	21 29 10.21	1 51.85	8 54 2.8	5 43.0	9.456 4155	4 1674	13 11.5
	26	21 27 18.36	1 59.41	8 48 19.8	4 47.6	9.452 2481	3 8147	13 5.7
	27	21 25 18.95	2 6.37	8 43 32.2	3 51.7	9.448 4334	3 4404	12 59.7
	28	21 23 12.58	2 12.66	8 39 40.5	2 55.9	9.444 9930	3 0458	12 53.6
	29	21 20 59.92	2 18.20	8 36 44.6	2 0.2	9.441 9472	2 6327	12 47.5
	30	21 18 41.72	2 22.91	− 8 34 44.4	1 5.2	9.439 3145	2 2031	12 41.2
	31	21 16 18.81	2 26.74	8 33 39.2	0 11.3	9.437 1114	1 7592	12 34.9
Febr.	1	21 13 52.07	2 29.63	8 33 27.9	0 41.2	9.435 3522	1 3033	12 28.5
	2	21 11 22.44	2 31.55	8 34 9.1	1 32.0	9.434 0489	8384	12 22.0
	3	21 8 50.89	2 32.47	8 35 41.1	2 20.6	9.433 2105	3677	12 15.6
	4	21 6 18.42	2 32.39	8 38 1.7	3 7.1	9.432 8428	1055	12 9.2
	5	21 3 46.03	2 31.29	− 8 41 8.8	3 50.6	9.432 9483	5779	12 2.7
	6	21 1 14.74	2 29.19	8 44 59.4	4 31.3	9.433 5262	1 0465	11 56.3
	7	20 58 45.55	2 26.10	8 49 30.7	5 8.7	9.434 5727	1 5083	11 49.9
	8	20 56 19.45	2 22.09	8 54 39.4	5 42.9	9.436 0810	1 9603	11 43.6
	9	20 53 57.36	2 17.20	9 0 22.3	6 13.8	9.438 0413	2 3997	11 37.4
	10	20 51 40.16		− 9 6 36.1		9.440 4410		11 31.2

Tag		0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1934		h m s	m s	° ′ ″	′ ″			h m
Febr.	10	20 51 40.16	2 11.48	− 9 6 36.1	6 41.2	9.440 4410	2 8242	11 31.2
	11	20 49 28.68	2 5.01	9 13 17.3	7 5.3	9.443 2652	3 2316	11 25.1
	12	20 47 23.67	1 57.86	9 20 22.6	7 25.9	9.446 4968	3 6205	11 19.2
	13	20 45 25.81	1 50.10	9 27 48.5	7 43.1	9.450 1173	3 9892	11 13.4
	14	20 43 35.71	1 41.80	9 35 31.6	7 56.9	9.454 1065	4 3373	11 7.7
	15	20 41 53.91	1 33.05	9 43 28.5	8 7.7	9.458 4438	4 6639	11 2.1
	16	20 40 20.86	1 23.92	− 9 51 36.2	8 15.2	9.463 1077	4 9685	10 56.7
	17	20 38 56.94	1 14.46	9 59 51.4	8 19.7	9.468 0762	5 2506	10 51.5
	18	20 37 42.48	1 4.77	10 8 11.1	8 21.3	9.473 3268	5 5104	10 46.4
	19	20 36 37.71	0 54.87	10 16 32.4	8 20.0	9.478 8372	5 7484	10 41.5
	20	20 35 42.84	0 44.84	10 24 52.4	8 16.2	9.484 5856	5 9648	10 36.7
	21	20 34 58.00	0 34.77	10 33 8.6	8 9.7	9.490 5504	6 1602	10 32.1
	22	20 34 23.23	0 24.66	−10 41 18.3	8 0.9	9.496 7106	6 3351	10 27.7
	23	20 33 58.57	0 14.58	10 49 19.2	7 49.9	9.503 0457	6 4904	10 23.4
	24	20 33 43.99	0 4.58	10 57 9.1	7 36.7	9.509 5361	6 6268	10 19.3
	25	20 33 39.41	0 5.31	11 4 45.8	7 21.5	9.516 1629	6 7454	10 15.4
	26	20 33 44.72	0 15.07	11 12 7.3	7 4.6	9.522 9083	6 8471	10 11.6
	27	20 33 59.79	0 24.65	11 19 11.9	6 46.1	9.529 7554	6 9332	10 8.0
	28	20 34 24.44	0 34.03	−11 25 58.0	6 25.8	9.536 6886	7 0042	10 4.5
März	1	20 34 58.47	0 43.20	11 32 23.8	6 4.2	9.543 6928	7 0614	10 1.2
	2	20 35 41.67	0 52.14	11 38 28.0	5 41.2	9.550 7542	7 1059	9 58.0
	3	20 36 33.81	1 0.83	11 44 9.2	5 17.0	9.557 8601	7 1383	9 55.0
	4	20 37 34.64	1 9.27	11 49 26.2	4 52.0	9.564 9984	7 1598	9 52.2
	5	20 38 43.91	1 17.44	11 54 18.2	4 25.5	9.572 1582	7 1712	9 49.4
	6	20 40 1.35	1 25.34	−11 58 43.7	3 58.4	9.579 3294	7 1732	9 46.8
	7	20 41 26.69	1 32.95	12 2 42.1	3 30.5	9.586 5026	7 1667	9 44.4
	8	20 42 59.64	1 40.27	12 6 12.6	3 1.9	9.593 6693	7 1525	9 42.0
	9	20 44 39.91	1 47.34	12 9 14.5	2 32.7	9.600 8218	7 1316	9 39.8
	10	20 46 27.25	1 54.11	12 11 47.2	2 2.9	9.607 9534	7 1048	9 37.7
	11	20 48 21.36	2 0.60	12 13 50.1	1 32.8	9.615 0582	7 0725	9 35.7
	12	20 50 21.96	2 6.80	−12 15 22.9	1 2.2	9.622 1307	7 0353	9 33.8
	13	20 52 28.76	2 12.76	12 16 25.1	0 31.4	9.629 1660	6 9940	9 32.0
	14	20 54 41.52	2 18.45	12 16 56.5	0 0.3	9.636 1600	6 9492	9 30.3
	15	20 56 59.97	2 23.87	12 16 56.8	0 31.0	9.643 1092	6 9014	9 28.8
	16	20 59 23.84	2 29.05	12 16 25.8	1 2.4	9.650 0106	6 8511	9 27.3
	17	21 1 52.89	2 34.00	12 15 23.4	1 34.1	9.656 8617	6 7985	9 25.8
	18	21 4 26.89	2 38.73	−12 13 49.3	2 5.8	9.663 6602	6 7441	9 24.5
	19	21 7 5.62	2 43.24	12 11 43.5	2 37.7	9.670 4043	6 6883	9 23.2
	20	21 9 48.86	2 47.54	12 9 5.8	3 9.7	9.677 0926	6 6312	9 22.0
	21	21 12 36.40	2 51.64	12 5 56.1	3 41.6	9.683 7238	6 5727	9 20.9
	22	21 15 28.04	2 55.56	12 2 14.5	4 13.6	9.690 2965	6 5135	9 19.8
	23	21 18 23.60		−11 58 0.9		9.696 8100		9 18.8

Tag	0h Welt-Zeit Scheinbare Rektaszension		0h Welt-Zeit Scheinbare Deklination		0h Welt-Zeit log Δ		Obere Kulmination in Greenwich
1934	h m s	m s	° ′ ″	′ ″			h m
März 23	21 18 23.60	2 59.27	−11 58 0.9	4 45.6	9.696 8100	6 4534	9 18.8
24	21 21 22.87	3 2.83	11 53 15.3	5 17.5	9.703 2634	6 3926	9 17.9
25	21 24 25.70	3 6.20	11 47 57.8	5 49.4	9.709 6560	6 3314	9 17.0
26	21 27 31.90	3 9.42	11 42 8.4	6 21.2	9.715 9874	6 2698	9 16.2
27	21 30 41.32	3 12.48	11 35 47.2	6 52.9	9.722 2572	6 2079	9 15.5
28	21 33 53.80	3 15.40	11 28 54.3	7 24.5	9.728 4651	6 1459	9 14.8
29	21 37 9.20	3 18.17	−11 21 29.8	7 55.8	9.734 6110	6 0836	9 14.1
30	21 40 27.37	3 20.81	11 13 34.0	8 27.1	9.740 6946	6 0213	9 13.5
31	21 43 48.18	3 23.31	11 5 6.9	8 58.0	9.746 7159	5 9589	9 12.9
April 1	21 47 11.49	3 25.69	10 56 8.9	9 28.7	9.752 6748	5 8967	9 12.3
2	21 50 37.18	3 27.95	10 46 40.2	9 59.1	9.758 5715	5 8343	9 11.8
3	21 54 5.13	3 30.08	10 36 41.1	10 29.2	9.764 4058	5 7721	9 11.4
4	21 57 35.21	3 32.10	−10 26 11.9	10 59.0	9.770 1779	5 7100	9 11.0
5	22 1 7.31	3 34.01	10 15 12.9	11 28.2	9.775 8879	5 6481	9 10.6
6	22 4 41.32	3 35.82	10 3 44.7	11 57.2	9.781 5360	5 5864	9 10.2
7	22 8 17.14	3 37.51	9 51 47.5	12 25.7	9.787 1224	5 5252	9 9.9
8	22 11 54.65	3 39.13	9 39 21.8	12 53.7	9.792 6476	5 4642	9 9.5
9	22 15 33.78	3 40.63	9 26 28.1	13 21.2	9.798 1118	5 4038	9 9.2
10	22 19 14.41	3 42.05	− 9 13 6.9	13 48.2	9.803 5156	5 3440	9 9.0
11	22 22 56.46	3 43.40	8 59 18.7	14 14.7	9.808 8596	5 2849	9 8.8
12	22 26 39.86	3 44.65	8 45 4.0	14 40.6	9.814 1445	5 2263	9 8.6
13	22 30 24.51	3 45.84	8 30 23.4	15 6.0	9.819 3708	5 1685	9 8.4
14	22 34 10.35	3 46.95	8 15 17.4	15 30.8	9.824 5393	5 1116	9 8.2
15	22 37 57.30	3 48.01	7 59 46.6	15 55.2	9.829 6509	5 0555	9 8.1
16	22 41 45.31	3 49.00	− 7 43 51.4	16 18.9	9.834 7064	5 0003	9 7.9
17	22 45 34.31	3 49.94	7 27 32.5	16 42.1	9.839 7067	4 9459	9 7.8
18	22 49 24.25	3 50.83	7 10 50.4	17 4.8	9.844 6526	4 8923	9 7.7
19	22 53 15.08	3 51.68	6 53 45.6	17 26.8	9.849 5449	4 8395	9 7.6
20	22 57 6.76	3 52.48	6 36 18.8	17 48.5	9.854 3844	4 7873	9 7.5
21	23 0 59.24	3 53.26	6 18 30.3	18 9.4	9.859 1717	4 7361	9 7.5
22	23 4 52.50	3 54.00	− 6 0 20.9	18 29.9	9.863 9078	4 6854	9 7.4
23	23 8 46.50	3 54.70	5 41 51.0	18 49.8	9.868 5932	4 6355	9 7.4
24	23 12 41.20	3 55.38	5 23 1.2	19 9.0	9.873 2287	4 5863	9 7.3
25	23 16 36.58	3 56.04	5 3 52.2	19 27.7	9.877 8150	4 5378	9 7.3
26	23 20 32.62	3 56.68	4 44 24.5	19 45.9	9.882 3528	4 4898	9 7.3
27	23 24 29.30	3 57.29	4 24 38.6	20 3.5	9.886 8426	4 4424	9 7.3
28	23 28 26.59	3 57.89	− 4 4 35.1	20 20.3	9.891 2850	4 3956	9 7.3
29	23 32 24.48	3 58.49	3 44 14.8	20 36.7	9.895 6806	4 3493	9 7.4
30	23 36 22.97	3 59.06	3 23 38.1	20 52.5	9.900 0299	4 3034	9 7.4
Mai 1	23 40 22.03	3 59.63	3 2 45.6	21 7.6	9.904 3333	4 2580	9 7.5
2	23 44 21.66	4 0.20	2 41 38.0	21 22.1	9.908 5913	4 2129	9 7.5
3	23 48 21.86		− 2 20 15.9		9.912 8042		9 7.6

Tag		0ʰ Welt-Zeit						Obere Kulmination in Greenwich
		Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1934		h m s	m s	° ′ ″	′ ″			h m
Mai	3	23 48 21.86	4 0.75	− 2 20 15.9	21 36.0	9.912 8042	4 1683	9 7.6
	4	23 52 22.61	4 1.29	1 58 39.9	21 49.1	9.916 9725	4 1240	9 7.6
	5	23 56 23.90	4 1.83	1 36 50.8	22 1.6	9.921 0965	4 0802	9 7.7
	6	0 0 25.73	4 2.36	1 14 49.2	22 13.4	9.925 1767	4 0366	9 7.8
	7	0 4 28.09	4 2.89	0 52 35.8	22 24.6	9.929 2133	3 9935	9 7.9
	8	0 8 30.98	4 3.42	0 30 11.2	22 35.0	9.933 2068	3 9510	9 8.0
	9	0 12 34.40	4 3.94	− 0 7 36.2	22 44.6	9.937 1578	3 9089	9 8.1
	10	0 16 38.34	4 4.45	+ 0 15 8.4	22 53.7	9.941 0667	3 8674	9 8.3
	11	0 20 42.79	4 4.98	0 38 2.1	23 2.1	9.944 9341	3 8264	9 8.4
	12	0 24 47.77	4 5.51	1 1 4.2	23 9.7	9.948 7605	3 7860	9 8.6
	13	0 28 53.28	4 6.05	1 24 13.9	23 16.6	9.952 5465	3 7460	9 8.7
	14	0 32 59.33	4 6.58	1 47 30.5	23 22.9	9.956 2925	3 7068	9 8.9
	15	0 37 5.91	4 7.13	+ 2 10 53.4	23 28.5	9.959 9993	3 6681	9 9.0
	16	0 41 13.04	4 7.68	2 34 21.9	23 33.4	9.963 6674	3 6299	9 9.2
	17	0 45 20.72	4 8.26	2 57 55.3	23 37.7	9.967 2973	3 5923	9 9.4
	18	0 49 28.98	4 8.84	3 21 33.0	23 41.2	9.970 8896	3 5554	9 9.6
	19	0 53 37.82	4 9.44	3 45 14.2	23 44.2	9.974 4450	3 5189	9 9.8
	20	0 57 47.26	4 10.06	4 8 58.4	23 46.5	9.977 9639	3 4828	9 10.0
	21	1 1 57.32	4 10.68	+ 4 32 44.9	23 48.1	9.981 4467	3 4474	9 10.3
	22	1 6 8.00	4 11.34	4 56 33.0	23 49.0	9.984 8941	3 4123	9 10.5
	23	1 10 19.34	4 12.01	5 20 22.0	23 49.4	9.988 3064	3 3777	9 10.7
	24	1 14 31.35	4 12.70	5 44 11.4	23 49.0	9.991 6841	3 3436	9 11.0
	25	1 18 44.05	4 13.41	6 8 0.4	23 48.0	9.995 0277	3 3098	9 11.3
	26	1 22 57.46	4 14.14	6 31 48.4	23 46.3	9.998 3375	3 2765	9 11.6
	27	1 27 11.60	4 14.90	+ 6 55 34.7	23 43.9	0.001 6140	3 2436	9 11.9
	28	1 31 26.50	4 15.67	7 19 18.6	23 41.0	0.004 8576	3 2109	9 12.2
	29	1 35 42.17	4 16.48	7 42 59.6	23 37.2	0.008 0685	3 1784	9 12.5
	30	1 39 58.65	4 17.31	8 6 36.8	23 32.9	0.011 2469	3 1462	9 12.8
	31	1 44 15.96	4 18.16	8 30 9.7	23 27.8	0.014 3931	3 1142	9 13.2
Juni	1	1 48 34.12	4 19.02	8 53 37.5	23 22.1	0.017 5073	3 0824	9 13.6
	2	1 52 53.14	4 19.92	+ 9 16 59.6	23 15.6	0.020 5897	3 0508	9 13.9
	3	1 57 13.06	4 20.81	9 40 15.2	23 8.5	0.023 6405	3 0192	9 14.3
	4	2 1 33.87	4 21.74	10 3 23.7	23 0.5	0.026 6597	2 9879	9 14.7
	5	2 5 55.61	4 22.67	10 26 24.2	22 51.9	0.029 6476	2 9569	9 15.2
	6	2 10 18.28	4 23.63	10 49 16.1	22 42.5	0.032 6045	2 9261	9 15.6
	7	2 14 41.91	4 24.60	11 11 58.6	22 32.4	0.035 5306	2 8956	9 16.1
	8	2 19 6.51	4 25.59	+11 34 31.0	22 21.6	0.038 4262	2 8653	9 16.5
	9	2 23 32.10	4 26.59	11 56 52.6	22 10.0	0.041 2915	2 8354	9 17.0
	10	2 27 58.69	4 27.60	12 19 2.6	21 57.8	0.044 1269	2 8058	9 17.5
	11	2 32 26.29	4 28.62	12 41 0.4	21 44.8	0.046 9327	2 7765	9 18.1
	12	2 36 54.91	4 29.67	13 2 45.2	21 31.2	0.049 7092	2 7475	9 18.6
	13	2 41 24.58		+13 24 16.4		0.052 4567		9 19.2

Tag		0ʰ Welt-Zeit						Obere Kulmination in Greenwich
		Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1934		h m s	m s	° ′ ″	′ ″			h m
Juni	13	2 41 24.58	4 30.72	+13 24 16.4	21 16.8	0.052 4567	2 7188	9 19.2
	14	2 45 55.30	4 31.78	13 45 33.2	21 1.6	0.055 1755	2 6906	9 19.7
	15	2 50 27.08	4 32.87	14 6 34.8	20 45.9	0.057 8661	2 6627	9 20.3
	16	2 54 59.95	4 33.96	14 27 20.7	20 29.4	0.060 5288	2 6350	9 20.9
	17	2 59 33.91	4 35.06	14 47 50.1	20 12.3	0.063 1638	2 6078	9 21.6
	18	3 4 8.97	4 36.17	15 8 2.4	19 54.3	0.065 7716	2 5808	9 22.2
	19	3 8 45.14	4 37.30	+15 27 56.7	19 35.8	0.068 3524	2 5541	9 22.9
	20	3 13 22.44	4 38.42	15 47 32.5	19 16.6	0.070 9065	2 5277	9 23.6
	21	3 18 0.86	4 39.57	16 6 49.1	18 56.7	0.073 4342	2 5017	9 24.3
	22	3 22 40.43	4 40.71	16 25 45.8	18 36.0	0.075 9359	2 4759	9 25.0
	23	3 27 21.14	4 41.87	16 44 21.8	18 14.8	0.078 4118	2 4505	9 25.7
	24	3 32 3.01	4 43.02	17 2 36.6	17 52.8	0.080 8623	2 4252	9 26.5
	25	3 36 46.03	4 44.19	+17 20 29.4	17 30.2	0.083 2875	2 4003	9 27.3
	26	3 41 30.22	4 45.37	17 37 59.6	17 6.9	0.085 6878	2 3753	9 28.1
	27	3 46 15.59	4 46.54	17 55 6.5	16 42.9	0.088 0631	2 3506	9 28.9
	28	3 51 2.13	4 47.71	18 11 49.4	16 18.3	0.090 4137	2 3261	9 29.8
	29	3 55 49.84	4 48.88	18 28 7.7	15 53.1	0.092 7398	2 3016	9 30.6
	30	4 0 38.72	4 50.04	18 44 0.8	15 27.0	0.095 0414	2 2771	9 31.5
Juli	1	4 5 28.76	4 51.20	+18 59 27.8	15 0.5	0.097 3185	2 2527	9 32.4
	2	4 10 19.96	4 52.34	19 14 28.3	14 33.1	0.099 5712	2 2285	9 33.3
	3	4 15 12.30	4 53.47	19 29 1.4	14 5.3	0.101 7997	2 2042	9 34.2
	4	4 20 5.77	4 54.59	19 43 6.7	13 36.7	0.104 0039	2 1802	9 35.2
	5	4 25 0.36	4 55.68	19 56 43.4	13 7.5	0.106 1841	2 1562	9 36.2
	6	4 29 56.04	4 56.75	20 9 50.9	12 37.7	0.108 3403	2 1322	9 37.2
	7	4 34 52.79	4 57.80	+20 22 28.6	12 7.3	0.110 4725	2 1085	9 38.2
	8	4 39 50.59	4 58.82	20 34 35.9	11 36.5	0.112 5810	2 0850	9 39.2
	9	4 44 49.41	4 59.82	20 46 12.4	11 4.9	0.114 6660	2 0616	9 40.3
	10	4 49 49.23	5 0.80	20 57 17.3	10 32.9	0.116 7276	2 0384	9 41.3
	11	4 54 50.03	5 1.72	21 7 50.2	10 0.4	0.118 7660	2 0155	9 42.4
	12	4 59 51.75	5 2.64	21 17 50.6	9 27.3	0.120 7815	1 9927	9 43.5
	13	5 4 54.39	5 3.51	+21 27 17.9	8 53.8	0.122 7742	1 9702	9 44.6
	14	5 9 57.90	5 4.36	21 36 11.7	8 19.7	0.124 7444	1 9479	9 45.7
	15	5 15 2.26	5 5.15	21 44 31.4	7 45.3	0.126 6923	1 9257	9 46.9
	16	5 20 7.41	5 5.92	21 52 16.7	7 10.5	0.128 6180	1 9039	9 48.0
	17	5 25 13.33	5 6.65	21 59 27.2	6 35.1	0.130 5219	1 8822	9 49.2
	18	5 30 19.98	5 7.34	22 6 2.3	5 59.5	0.132 4041	1 8606	9 50.4
	19	5 35 27.32	5 7.98	+22 12 1.8	5 23.5	0.134 2647	1 8394	9 51.6
	20	5 40 35.30	5 8.58	22 17 25.3	4 47.1	0.136 1041	1 8184	9 52.8
	21	5 45 43.88	5 9.15	22 22 12.4	4 10.4	0.137 9225	1 7976	9 54.0
	22	5 50 53.03	5 9.67	22 26 22.8	3 33.4	0.139 7201	1 7770	9 55.2
	23	5 56 2.70	5 10.15	22 29 56.2	2 56.1	0.141 4971	1 7565	9 56.4
	24	6 1 12.85		+22 32 52.3		0.143 2536		9 57.6

Tag		0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1934		h m s	m s	° ′ ″	′ ″			h m
Juli	24	6 1 12.85	5 10.58	+22 32 52.3	2 18.6	0.143 2536	1 7362	9 57.6
	25	6 6 23.43	5 10.97	22 35 10.9	1 40.9	0.144 9898	1 7161	9 58.9
	26	6 11 34.40	5 11.31	22 36 51.8	1 3.0	0.146 7059	1 6961	10 0.1
	27	6 16 45.71	5 11.61	22 37 54.8	0 24.8	0.148 4020	1 6762	10 1.4
	28	6 21 57.32	5 11.87	22 38 19.6	0 13.5	0.150 0782	1 6562	10 2.6
	29	6 27 9.19	5 12.07	22 38 6.1	0 51.9	0.151 7344	1 6363	10 3.9
	30	6 32 21.26	5 12.22	+22 37 14.2	1 30.4	0.153 3707	1 6165	10 5.1
	31	6 37 33.48	5 12.33	22 35 43.8	2 9.0	0.154 9872	1 5967	10 6.4
Aug.	1	6 42 45.81	5 12.39	22 33 34.8	2 47.6	0.156 5839	1 5769	10 7.7
	2	6 47 58.20	5 12.38	22 30 47.2	3 26.3	0.158 1608	1 5570	10 8.9
	3	6 53 10.58	5 12.33	22 27 20.9	4 4.9	0.159 7178	1 5373	10 10.2
	4	6 58 22.91	5 12.23	22 23 16.0	4 43.4	0.161 2551	1 5176	10 11.4
	5	7 3 35.14	5 12.08	+22 18 32.6	5 22.0	0.162 7727	1 4981	10 12.7
	6	7 8 47.22	5 11.87	22 13 10.6	6 0.4	0.164 2708	1 4786	10 14.0
	7	7 13 59.09	5 11.62	22 7 10.2	6 38.6	0.165 7494	1 4593	10 15.2
	8	7 19 10.71	5 11.31	22 0 31.6	7 16.7	0.167 2087	1 4401	10 16.5
	9	7 24 22.02	5 10.96	21 53 14.9	7 54.6	0.168 6488	1 4209	10 17.7
	10	7 29 32.98	5 10.57	21 45 20.3	8 32.4	0.170 0697	1 4020	10 18.9
	11	7 34 43.55	5 10.13	+21 36 47.9	9 9.7	0.171 4717	1 3831	10 20.2
	12	7 39 53.68	5 9.65	21 27 38.2	9 46.9	0.172 8548	1 3643	10 21.4
	13	7 45 3.33	5 9.12	21 17 51.3	10 23.9	0.174 2191	1 3459	10 22.6
	14	7 50 12.45	5 8.57	21 7 27.4	11 0.3	0.175 5650	1 3275	10 23.8
	15	7 55 21.02	5 7.97	20 56 27.1	11 36.7	0.176 8925	1 3093	10 25.0
	16	8 0 28.99	5 7.34	20 44 50.4	12 12.5	0.178 2018	1 2913	10 26.2
	17	8 5 36.33	5 6.67	+20 32 37.9	12 47.9	0.179 4931	1 2734	10 27.4
	18	8 10 43.00	5 5.97	20 19 50.0	13 23.1	0.180 7665	1 2558	10 28.6
	19	8 15 48.97	5 5.24	20 6 26.9	13 57.7	0.182 0223	1 2383	10 29.7
	20	8 20 54.21	5 4.49	19 52 29.2	14 32.0	0.183 2606	1 2210	10 30.8
	21	8 25 58.70	5 3.73	19 37 57.2	15 5.8	0.184 4816	1 2038	10 32.0
	22	8 31 2.43	5 2.94	19 22 51.4	15 39.2	0.185 6854	1 1870	10 33.1
	23	8 36 5.37	5 2.13	+19 7 12.2	16 12.1	0.186 8724	1 1701	10 34.2
	24	8 41 7.50	5 1.30	18 51 0.1	16 44.5	0.188 0425	1 1533	10 35.3
	25	8 46 8.80	5 0.47	18 34 15.6	17 16.3	0.189 1958	1 1366	10 36.3
	26	8 51 9.27	4 59.62	18 16 59.3	17 47.7	0.190 3324	1 1199	10 37.4
	27	8 56 8.89	4 58.77	17 59 11.6	18 18.6	0.191 4523	1 1032	10 38.4
	28	9 1 7.66	4 57.89	17 40 53.0	18 48.9	0.192 5555	1 0865	10 39.5
	29	9 6 5.55	4 57.02	+17 22 4.1	19 18.5	0.193 6420	1 0700	10 40.5
	30	9 11 2.57	4 56.14	17 2 45.6	19 47.8	0.194 7120	1 0532	10 41.5
	31	9 15 58.71	4 55.26	16 42 57.8	20 16.3	0.195 7652	1 0367	10 42.5
Sept.	1	9 20 53.97	4 54.37	16 22 41.5	20 44.2	0.196 8019	1 0201	10 43.5
	2	9 25 48.34	4 53.47	16 1 57.3	21 11.5	0.197 8220	1 0036	10 44.4
	3	9 30 41.81		+15 40 45.8		0.198 8256		10 45.4

Tag	0h Welt-Zeit: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1934	h m s	m s	° ′ ″	′ ″			h m
Sept. 3	9 30 41.81	4 52.59	+15 40 45.8	21 38.2	0.198 8256	9871	10 45.4
4	9 35 34.40	4 51.71	15 19 7.6	22 4.1	0.199 8127	9707	10 46.3
5	9 40 26.11	4 50.82	14 57 3.5	22 29.5	0.200 7834	9543	10 47.2
6	9 45 16.93	4 49.95	14 34 34.0	22 54.2	0.201 7377	9381	10 48.1
7	9 50 6.88	4 49.08	14 11 39.8	23 18.3	0.202 6758	9219	10 49.0
8	9 54 55.96	4 48.23	13 48 21.5	23 41.6	0.203 5977	9058	10 49.8
9	9 59 44.19	4 47.38	+13 24 39.9	24 4.2	0.204 5035	8898	10 50.7
10	10 4 31.57	4 46.55	13 0 35.7	24 26.2	0.205 3933	8739	10 51.5
11	10 9 18.12	4 45.74	12 36 9.5	24 47.4	0.206 2672	8582	10 52.4
12	10 14 3.86	4 44.93	12 11 22.1	25 8.0	0.207 1254	8426	10 53.2
13	10 18 48.79	4 44.15	11 46 14.1	25 27.9	0.207 9680	8271	10 54.0
14	10 23 32.94	4 43.39	11 20 46.2	25 47.0	0.208 7951	8118	10 54.8
15	10 28 16.33	4 42.64	+10 54 59.2	26 5.5	0.209 6069	7966	10 55.5
16	10 32 58.97	4 41.93	10 28 53.7	26 23.3	0.210 4035	7816	10 56.3
17	10 37 40.90	4 41.24	10 2 30.4	26 40.3	0.211 1851	7668	10 57.1
18	10 42 22.14	4 40.58	9 35 50.1	26 56.7	0.211 9519	7522	10 57.8
19	10 47 2.72	4 39.94	9 8 53.4	27 12.4	0.212 7041	7378	10 58.5
20	10 51 42.66	4 39.35	8 41 41.0	27 27.4	0.213 4419	7234	10 59.3
21	10 56 22.01	4 38.77	+ 8 14 13.6	27 41.8	0.214 1653	7092	11 0.0
22	11 1 0.78	4 38.23	7 46 31.8	27 55.3	0.214 8745	6951	11 0.7
23	11 5 39.01	4 37.72	7 18 36.5	28 8.3	0.215 5696	6809	11 1.3
24	11 10 16.73	4 37.26	6 50 28.2	28 20.4	0.216 2505	6670	11 2.0
25	11 14 53.99	4 36.82	6 22 7.8	28 32.0	0.216 9175	6529	11 2.7
26	11 19 30.81	4 36.42	5 53 35.8	28 42.7	0.217 5704	6390	11 3.4
27	11 24 7.23	4 36.06	+ 5 24 53.1	28 52.8	0.218 2094	6250	11 4.0
28	11 28 43.29	4 35.73	4 56 0.3	29 2.2	0.218 8344	6110	11 4.7
29	11 33 19.02	4 35.44	4 26 58.1	29 10.8	0.219 4454	5971	11 5.3
30	11 37 54.46	4 35.19	3 57 47.3	29 18.7	0.220 0425	5833	11 6.0
Okt. 1	11 42 29.65	4 34.97	3 28 28.6	29 25.9	0.220 6258	5694	11 6.6
2	11 47 4.62	4 34.79	2 59 2.7	29 32.2	0.221 1952	5555	11 7.3
3	11 51 39.41	4 34.64	+ 2 29 30.5	29 38.0	0.221 7507	5417	11 7.9
4	11 56 14.05	4 34.54	1 59 52.5	29 42.8	0.222 2924	5279	11 8.5
5	12 0 48.59	4 34.47	1 30 9.7	29 47.1	0.222 8203	5141	11 9.2
6	12 5 23.06	4 34.44	1 0 22.6	29 50.5	0.223 3344	5004	11 9.8
7	12 9 57.50	4 34.45	0 30 32.1	29 53.3	0.223 8348	4868	11 10.4
8	12 14 31.95	4 34.49	+ 0 0 38.8	29 55.1	0.224 3216	4732	11 11.1
9	12 19 6.44	4 34.58	− 0 29 16.3	29 56.4	0.224 7948	4598	11 11.7
10	12 23 41.02	4 34.71	0 59 12.7	29 56.7	0.225 2546	4465	11 12.3
11	12 28 15.73	4 34.86	1 29 9.4	29 56.5	0.225 7011	4333	11 13.0
12	12 32 50.59	4 35.07	1 59 5.9	29 55.4	0.226 1344	4201	11 13.6
13	12 37 25.66	4 35.30	2 29 1.3	29 53.5	0.226 5545	4071	11 14.3
14	12 42 0.96		− 2 58 54.8		0.226 9616		11 14.9

Tag	0h Welt-Zeit Scheinbare Rektaszension		0h Welt-Zeit Scheinbare Deklination		0h Welt-Zeit log Δ		Obere Kulmination in Greenwich
1934	h m s	m s	° ′ ″	′ ″			h m
Okt. 14	12 42 0.96	4 35.59	− 2 58 54.8	29 50.9	0.226 9616	3942	11 14.9
15	12 46 36.55	4 35.90	3 28 45.7	29 47.5	0.227 3558	3815	11 15.6
16	12 51 12.45	4 36.26	3 58 33.2	29 43.5	0.227 7373	3689	11 16.2
17	12 55 48.71	4 36.66	4 28 16.7	29 38.6	0.228 1062	3565	11 16.9
18	13 0 25.37	4 37.10	4 57 55.3	29 33.0	0.228 4627	3443	11 17.6
19	13 5 2.47	4 37.58	5 27 28.3	29 26.6	0.228 8070	3321	11 18.2
20	13 9 40.05	4 38.10	− 5 56 54.9	29 19.6	0.229 1391	3201	11 18.9
21	13 14 18.15	4 38.66	6 26 14.5	29 11.7	0.229 4592	3083	11 19.6
22	13 18 56.81	4 39.27	6 55 26.2	29 3.2	0.229 7675	2965	11 20.4
23	13 23 36.08	4 39.92	7 24 29.4	28 53.7	0.230 0640	2847	11 21.1
24	13 28 16.00	4 40.59	7 53 23.1	28 43.6	0.230 3487	2729	11 21.8
25	13 32 56.59	4 41.32	8 22 6.7	28 32.7	0.230 6216	2612	11 22.5
26	13 37 37.91	4 42.09	− 8 50 39.4	28 21.1	0.230 8828	2495	11 23.3
27	13 42 20.00	4 42.88	9 19 0.5	28 8.5	0.231 1323	2377	11 24.0
28	13 47 2.88	4 43.71	9 47 9.0	27 55.3	0.231 3700	2261	11 24.8
29	13 51 46.59	4 44.58	10 15 4.3	27 41.2	0.231 5961	2143	11 25.6
30	13 56 31.17	4 45.48	10 42 45.5	27 26.4	0.231 8104	2027	11 26.4
31	14 1 16.65	4 46.40	11 10 11.9	27 10.6	0.232 0131	1911	11 27.2
Nov. 1	14 6 3.05	4 47.37	−11 37 22.5	26 54.2	0.232 2042	1793	11 28.1
2	14 10 50.42	4 48.35	12 4 16.7	26 36.9	0.232 3835	1677	11 28.9
3	14 15 38.77	4 49.38	12 30 53.6	26 18.8	0.232 5512	1560	11 29.8
4	14 20 28.15	4 50.42	12 57 12.4	25 59.9	0.232 7072	1444	11 30.7
5	14 25 18.57	4 51.48	13 23 12.3	25 40.1	0.232 8516	1328	11 31.6
6	14 30 10.05	4 52.58	13 48 52.4	25 19.6	0.232 9844	1211	11 32.5
7	14 35 2.63	4 53.68	−14 14 12.0	24 58.2	0.233 1055	1096	11 33.5
8	14 39 56.31	4 54.81	14 39 10.2	24 36.0	0.233 2151	980	11 34.4
9	14 44 51.12	4 55.95	15 3 46.2	24 13.1	0.233 3131	867	11 35.4
10	14 49 47.07	4 57.11	15 27 59.3	23 49.2	0.233 3998	754	11 36.4
11	14 54 44.18	4 58.28	15 51 48.5	23 24.5	0.233 4752	641	11 37.4
12	14 59 42.46	4 59.46	16 15 13.0	22 59.1	0.233 5393	531	11 38.5
13	15 4 41.92	5 0.66	−16 38 12.1	22 32.9	0.233 5924	420	11 39.5
14	15 9 42.58	5 1.86	17 0 45.0	22 5.9	0.233 6344	313	11 40.6
15	15 14 44.44	5 3.07	17 22 50.9	21 38.2	0.233 6657	205	11 41.7
16	15 19 47.51	5 4.28	17 44 29.1	21 9.6	0.233 6862	98	11 42.8
17	15 24 51.79	5 5.50	18 5 38.7	20 40.3	0.233 6960	7	11 44.0
18	15 29 57.29	5 6.72	18 26 19.0	20 10.2	0.233 6953	110	11 45.1
19	15 35 4.01	5 7.94	−18 46 29.2	19 39.3	0.233 6843	215	11 46.3
20	15 40 11.95	5 9.15	19 6 8.5	19 7.7	0.233 6628	317	11 47.5
21	15 45 21.10	5 10.36	19 25 16.2	18 35.4	0.233 6311	419	11 48.7
22	15 50 31.46	5 11.56	19 43 51.6	18 2.4	0.233 5892	521	11 50.0
23	15 55 43.02	5 12.76	20 1 54.0	17 28.6	0.233 5371	623	11 51.2
24	16 0 55.78		−20 19 22.6		0.233 4748		11 52.5

Venus 1934

Tag	0h Welt-Zeit						Obere Kulmination in Greenwich
	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1934	h m s	m s	° ′ ″	′ ″			h m
Nov. 24	16 0 55.78	5 13.93	−20 19 22.6	16 54.1	0.233 4748	725	11 52.5
25	16 6 9.71	5 15.09	20 36 16.7	16 18.9	0.233 4023	826	11 53.8
26	16 11 24.80	5 16.24	20 52 35.6	15 43.1	0.233 3197	929	11 55.1
27	16 16 41.04	5 17.34	21 8 18.7	15 6.6	0.233 2268	1032	11 56.5
28	16 21 58.38	5 18.44	21 23 25.3	14 29.3	0.233 1236	1134	11 57.8
29	16 27 16.82	5 19.49	21 37 54.6	13 51.6	0.233 0102	1236	11 59.2
30	16 32 36.31	5 20.53	−21 51 46.2	13 13.1	0.232 8866	1339	12 0.6
Dez. 1	16 37 56.84	5 21.51	22 4 59.3	12 34.1	0.232 7527	1443	12 2.0
2	16 43 18.35	5 22.48	22 17 33.4	11 54.5	0.232 6084	1546	12 3.5
3	16 48 40.83	5 23.38	22 29 27.9	11 14.3	0.232 4538	1651	12 4.9
4	16 54 4.21	5 24.25	22 40 42.2	10 33.7	0.232 2887	1755	12 6.3
5	16 59 28.46	5 25.08	22 51 15.9	9 52.5	0.232 1132	1859	12 7.8
6	17 4 53.54	5 25.84	−23 1 8.4	9 10.8	0.231 9273	1965	12 9.3
7	17 10 19.38	5 26.55	23 10 19.2	8 28.8	0.231 7308	2069	12 10.8
8	17 15 45.93	5 27.22	23 18 48.0	7 46.3	0.231 5239	2174	12 12.3
9	17 21 13.15	5 27.83	23 26 34.3	7 3.5	0.231 3065	2279	12 13.8
10	17 26 40.98	5 28.37	23 33 37.8	6 20.3	0.231 0786	2383	12 15.3
11	17 32 9.35	5 28.84	23 39 58.1	5 36.7	0.230 8403	2485	12 16.9
12	17 37 38.19	5 29.27	−23 45 34.8	4 53.0	0.230 5918	2587	12 18.4
13	17 43 7.46	5 29.63	23 50 27.8	4 8.9	0.230 3331	2689	12 20.0
14	17 48 37.09	5 29.93	23 54 36.7	3 24.7	0.230 0642	2790	12 21.5
15	17 54 7.02	5 30.17	23 58 1.4	2 40.3	0.229 7852	2890	12 23.1
16	17 59 37.19	5 30.34	24 0 41.7	1 55.7	0.229 4962	2989	12 24.6
17	18 5 7.53	5 30.46	24 2 37.4	1 11.1	0.229 1973	3088	12 26.2
18	18 10 37.99	5 30.51	−24 3 48.5	0 26.3	0.228 8885	3186	12 27.8
19	18 16 8.50	5 30.49	24 4 14.8	0 18.5	0.228 5699	3284	12 29.3
20	18 21 38.99	5 30.41	24 3 56.3	1 3.2	0.228 2415	3382	12 30.9
21	18 27 9.40	5 30.26	24 2 53.1	1 48.1	0.227 9033	3479	12 32.5
22	18 32 39.66	5 30.05	24 1 5.0	2 32.8	0.227 5554	3577	12 34.0
23	18 38 9.71	5 29.77	23 58 32.2	3 17.4	0.227 1977	3674	12 35.6
24	18 43 39.48	5 29.45	−23 55 14.8	4 1.9	0.226 8303	3772	12 37.1
25	18 49 8.93	5 29.05	23 51 12.9	4 46.3	0.226 4531	3871	12 38.7
26	18 54 37.98	5 28.59	23 46 26.6	5 30.3	0.226 0660	3971	12 40.2
27	19 0 6.57	5 28.08	23 40 56.3	6 14.3	0.225 6689	4071	12 41.8
28	19 5 34.65	5 27.51	23 34 42.0	6 58.0	0.225 2618	4172	12 43.3
29	19 11 2.16	5 26.87	23 27 44.0	7 41.4	0.224 8446	4274	12 44.8
30	19 16 29.03	5 26.19	−23 20 2.6	8 24.4	0.224 4172	4377	12 46.3
31	19 21 55.22	5 25.45	23 11 38.2	9 7.1	0.223 9795	4480	12 47.8
32	19 27 20.67		−23 2 31.1		0.223 5315		12 49.3

Tag	0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1934	h m s	m s	° ′ ″	′ ″			h m
Jan. 0	20 19 6.55	3 16.01	−20 47 23.1	10 53.3	0.348 7966	4414	13 42.8
1	20 22 22.56	3 15.64	20 36 29.8	11 7.1	0.349 2380	4394	13 42.2
2	20 25 38.20	3 15.27	20 25 22.7	11 20.7	0.349 6774	4374	13 41.5
3	20 28 53.47	3 14.88	20 14 2.0	11 34.2	0.350 1148	4354	13 40.8
4	20 32 8.35	3 14.49	20 2 27.8	11 47.5	0.350 5502	4336	13 40.1
5	20 35 22.84	3 14.10	19 50 40.3	12 0.5	0.350 9838	4317	13 39.4
6	20 38 36.94	3 13.70	−19 38 39.8	12 13.6	0.351 4155	4299	13 38.6
7	20 41 50.64	3 13.29	19 26 26.2	12 26.3	0.351 8454	4280	13 37.9
8	20 45 3.93	3 12.89	19 13 59.9	12 38.9	0.352 2734	4262	13 37.2
9	20 48 16.82	3 12.47	19 1 21.0	12 51.4	0.352 6996	4242	13 36.5
10	20 51 29.29	3 12.06	18 48 29.6	13 3.7	0.353 1238	4223	13 35.8
11	20 54 41.35	3 11.63	18 35 25.9	13 15.7	0.353 5461	4203	13 35.0
12	20 57 52.98	3 11.21	−18 22 10.2	13 27.6	0.353 9664	4183	13 34.3
13	21 1 4.19	3 10.79	18 8 42.6	13 39.3	0.354 3847	4163	13 33.5
14	21 4 14.98	3 10.36	17 55 3.3	13 50.9	0.354 8010	4141	13 32.7
15	21 7 25.34	3 9.92	17 41 12.4	14 2.1	0.355 2151	4120	13 32.0
16	21 10 35.26	3 9.48	17 27 10.3	14 13.2	0.355 6271	4099	13 31.2
17	21 13 44.74	3 9.04	17 12 57.1	14 24.1	0.356 0370	4079	13 30.4
18	21 16 53.78	3 8.59	−16 58 33.0	14 34.8	0.356 4449	4058	13 29.6
19	21 20 2.37	3 8.14	16 43 58.2	14 45.2	0.356 8507	4038	13 28.8
20	21 23 10.51	3 7.68	16 29 13.0	14 55.5	0.357 2545	4019	13 28.0
21	21 26 18.19	3 7.23	16 14 17.5	15 5.5	0.357 6564	4000	13 27.2
22	21 29 25.42	3 6.78	15 59 12.0	15 15.4	0.358 0564	3982	13 26.3
23	21 32 32.20	3 6.33	15 43 56.6	15 24.9	0.358 4546	3964	13 25.5
24	21 35 38.53	3 5.87	−15 28 31.7	15 34.3	0.358 8510	3947	13 24.7
25	21 38 44.40	3 5.43	15 12 57.4	15 43.5	0.359 2457	3931	13 23.8
26	21 41 49.83	3 4.97	14 57 13.9	15 52.5	0.359 6388	3916	13 23.0
27	21 44 54.80	3 4.53	14 41 21.4	16 1.3	0.360 0304	3900	13 22.1
28	21 47 59.33	3 4.09	14 25 20.1	16 9.9	0.360 4204	3885	13 21.2
29	21 51 3.42	3 3.65	14 9 10.2	16 18.2	0.360 8089	3871	13 20.3
30	21 54 7.07	3 3.21	−13 52 52.0	16 26.4	0.361 1960	3858	13 19.4
31	21 57 10.28	3 2.79	13 36 25.6	16 34.4	0.361 5818	3845	13 18.5
Febr. 1	22 0 13.07	3 2.36	13 19 51.2	16 42.2	0.361 9663	3831	13 17.7
2	22 3 15.43	3 1.94	13 3 9.0	16 49.7	0.362 3494	3818	13 16.8
3	22 6 17.37	3 1.52	12 46 19.3	16 57.1	0.362 7312	3805	13 15.8
4	22 9 18.89	3 1.12	12 29 22.2	17 4.2	0.363 1117	3791	13 14.9
5	22 12 20.01	3 0.71	−12 12 18.0	17 11.2	0.363 4908	3777	13 14.0
6	22 15 20.72	3 0.32	11 55 6.8	17 17.9	0.363 8685	3762	13 13.1
7	22 18 21.04	2 59.92	11 37 48.9	17 24.5	0.364 2447	3748	13 12.1
8	22 21 20.96	2 59.54	11 20 24.4	17 30.9	0.364 6195	3732	13 11.2
9	22 24 20.50	2 59.16	11 2 53.5	17 37.0	0.364 9927	3717	13 10.2
10	22 27 19.66		−10 45 16.5		0.365 3644		13 9.3

Tag		0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1934		h m s	m s	° ′ ″	′ ″			h m
Febr.	10	22 27 19.66	2 58.79	−10 45 16.5	17 42.9	0.365 3644	3699	13 9.3
	11	22 30 18.45	2 58.41	10 27 33.6	17 48.6	0.365 7343	3682	13 8.3
	12	22 33 16.86	2 58.05	10 9 45.0	17 54.1	0.366 1025	3663	13 7.3
	13	22 36 14.91	2 57.69	9 51 50.9	17 59.3	0.366 4688	3645	13 6.4
	14	22 39 12.60	2 57.33	9 33 51.6	18 4.4	0.366 8333	3627	13 5.4
	15	22 42 9.93	2 56.98	9 15 47.2	18 9.2	0.367 1960	3607	13 4.4
	16	22 45 6.91	2 56.62	− 8 57 38.0	18 13.7	0.367 5567	3588	13 3.4
	17	22 48 3.53	2 56.29	8 39 24.3	18 18.1	0.367 9155	3570	13 2.4
	18	22 50 59.82	2 55.95	8 21 6.2	18 22.2	0.368 2725	3552	13 1.4
	19	22 53 55.77	2 55.62	8 2 44.0	18 26.1	0.368 6277	3534	13 0.4
	20	22 56 51.39	2 55.29	7 44 17.9	18 29.9	0.368 9811	3516	12 59.4
	21	22 59 46.68	2 54.98	7 25 48.0	18 33.4	0.369 3327	3498	12 58.3
	22	23 2 41.66	2 54.66	− 7 7 14.6	18 36.6	0.369 6825	3482	12 57.3
	23	23 5 36.32	2 54.36	6 48 38.0	18 39.7	0.370 0307	3465	12 56.2
	24	23 8 30.68	2 54.07	6 29 58.3	18 42.6	0.370 3772	3449	12 55.2
	25	23 11 24.75	2 53.77	6 11 15.7	18 45.3	0.370 7221	3433	12 54.2
	26	23 14 18.52	2 53.50	5 52 30.4	18 47.8	0.371 0654	3416	12 53.1
	27	23 17 12.02	2 53.23	5 33 42.6	18 50.1	0.371 4070	3401	12 52.1
	28	23 20 5.25	2 52.97	− 5 14 52.5	18 52.2	0.371 7471	3386	12 51.0
März	1	23 22 58.22	2 52.72	4 56 0.3	18 54.1	0.372 0857	3370	12 49.9
	2	23 25 50.94	2 52.48	4 37 6.2	18 55.9	0.372 4227	3355	12 48.9
	3	23 28 43.42	2 52.24	4 18 10.3	18 57.4	0.372 7582	3339	12 47.8
	4	23 31 35.66	2 52.02	3 59 12.9	18 58.8	0.373 0921	3323	12 46.7
	5	23 34 27.68	2 51.81	3 40 14.1	18 59.9	0.373 4244	3306	12 45.7
	6	23 37 19.49	2 51.60	− 3 21 14.2	19 0.9	0.373 7550	3289	12 44.6
	7	23 40 11.09	2 51.41	3 2 13.3	19 1.8	0.374 0839	3271	12 43.5
	8	23 43 2.50	2 51.22	2 43 11.5	19 2.3	0.374 4110	3253	12 42.4
	9	23 45 53.72	2 51.05	2 24 9.2	19 2.7	0.374 7363	3233	12 41.3
	10	23 48 44.77	2 50.88	2 5 6.5	19 3.0	0.375 0596	3212	12 40.2
	11	23 51 35.65	2 50.72	1 46 3.5	19 3.0	0.375 3808	3190	12 39.1
	12	23 54 26.37	2 50.57	− 1 27 0.5	19 2.9	0.375 6998	3168	12 38.0
	13	23 57 16.94	2 50.42	1 7 57.6	19 2.5	0.376 0166	3145	12 36.9
	14	0 0 7.36	2 50.29	0 48 55.1	19 1.9	0.376 3311	3121	12 35.8
	15	0 2 57.65	2 50.15	0 29 53.2	19 1.2	0.376 6432	3097	12 34.7
	16	0 5 47.80	2 50.02	− 0 10 52.0	19 0.1	0.376 9529	3073	12 33.6
	17	0 8 37.82	2 49.91	+ 0 8 8.1	18 59.0	0.377 2602	3048	12 32.5
	18	0 11 27.73	2 49.79	+ 0 27 7.1	18 57.7	0.377 5650	3024	12 31.4
	19	0 14 17.52	2 49.69	0 46 4.8	18 56.1	0.377 8674	2998	12 30.3
	20	0 17 7.21	2 49.59	1 5 0.9	18 54.3	0.378 1672	2974	12 29.2
	21	0 19 56.80	2 49.49	1 23 55.2	18 52.4	0.378 4646	2949	12 28.1
	22	0 22 46.29	2 49.41	1 42 47.6	18 50.3	0.378 7595	2925	12 27.0
	23	0 25 35.70		+ 2 1 37.9		0.379 0520		12 25.9

Tag		0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1934		h m s	m s	° ′ ″	′ ″			h m
März	23	0 25 35.70	2 49.34	+ 2 1 37.9	18 48.0	0.379 0520	2900	12 25.9
	24	0 28 25.04	2 49.27	2 20 25.9	18 45.5	0.379 3420	2876	12 24.7
	25	0 31 14.31	2 49.21	2 39 11.4	18 42.9	0.379 6296	2852	12 23.6
	26	0 34 3.52	2 49.16	2 57 54.3	18 40.1	0.379 9148	2827	12 22.5
	27	0 36 52.68	2 49.11	3 16 34.4	18 37.1	0.380 1975	2803	12 21.3
	28	0 39 41.79	2 49.08	3 35 11.5	18 33.9	0.380 4778	2779	12 20.2
	29	0 42 30.87	2 49.06	+ 3 53 45.4	18 30.7	0.380 7557	2755	12 19.1
	30	0 45 19.93	2 49.03	4 12 16.1	18 27.1	0.381 0312	2730	12 18.0
	31	0 48 8.96	2 49.03	4 30 43.2	18 23.6	0.381 3042	2706	12 16.9
April	1	0 50 57.99	2 49.03	4 49 6.8	18 19.9	0.381 5748	2681	12 15.8
	2	0 53 47.02	2 49.04	5 7 26.7	18 15.9	0.381 8429	2655	12 14.6
	3	0 56 36.06	2 49.06	5 25 42.6	18 11.8	0.382 1084	2629	12 13.5
	4	0 59 25.12	2 49.09	+ 5 43 54.4	18 7.6	0.382 3713	2602	12 12.4
	5	1 2 14.21	2 49.12	6 2 2.0	18 3.1	0.382 6315	2573	12 11.3
	6	1 5 3.33	2 49.17	6 20 5.1	17 58.6	0.382 8888	2545	12 10.1
	7	1 7 52.50	2 49.22	6 38 3.7	17 53.8	0.383 1433	2514	12 9.0
	8	1 10 41.72	2 49.28	6 55 57.5	17 48.9	0.383 3947	2483	12 7.9
	9	1 13 31.00	2 49.34	7 13 46.4	17 43.9	0.383 6430	2451	12 6.8
	10	1 16 20.34	2 49.41	+ 7 31 30.3	17 38.6	0.383 8881	2418	12 5.6
	11	1 19 9.75	2 49.49	7 49 8.9	17 33.3	0.384 1299	2384	12 4.5
	12	1 21 59.24	2 49.56	8 6 42.2	17 27.6	0.384 3683	2349	12 3.4
	13	1 24 48.80	2 49.66	8 24 9.8	17 21.9	0.384 6032	2314	12 2.3
	14	1 27 38.46	2 49.74	8 41 31.7	17 16.0	0.384 8346	2278	12 1.2
	15	1 30 28.20	2 49.83	8 58 47.7	17 10.0	0.385 0624	2241	12 0.0
	16	1 33 18.03	2 49.93	+ 9 15 57.7	17 3.7	0.385 2865	2205	11 58.9
	17	1 36 7.96	2 50.02	9 33 1.4	16 57.3	0.385 5070	2167	11 57.8
	18	1 38 57.98	2 50.13	9 49 58.7	16 50.8	0.385 7237	2130	11 56.7
	19	1 41 48.11	2 50.25	10 6 49.5	16 44.0	0.385 9367	2093	11 55.6
	20	1 44 38.36	2 50.35	10 23 33.5	16 37.2	0.386 1460	2055	11 54.5
	21	1 47 28.71	2 50.48	10 40 10.7	16 30.2	0.386 3515	2019	11 53.4
	22	1 50 19.19	2 50.60	+10 56 40.9	16 23.1	0.386 5534	1982	11 52.3
	23	1 53 9.79	2 50.73	11 13 4.0	16 15.8	0.386 7516	1944	11 51.2
	24	1 56 0.52	2 50.86	11 29 19.8	16 8.4	0.386 9460	1907	11 50.1
	25	1 58 51.38	2 50.99	11 45 28.2	16 0.8	0.387 1367	1869	11 49.0
	26	2 1 42.37	2 51.14	12 1 29.0	15 53.2	0.387 3236	1831	11 47.9
	27	2 4 33.51	2 51.29	12 17 22.2	15 45.3	0.387 5067	1794	11 46.9
	28	2 7 24.80	2 51.44	+12 33 7.5	15 37.4	0.387 6861	1756	11 45.8
	29	2 10 16.24	2 51.60	12 48 44.9	15 29.3	0.387 8617	1719	11 44.7
	30	2 13 7.84	2 51.76	13 4 14.2	15 21.1	0.388 0336	1679	11 43.6
Mai	1	2 15 59.60	2 51.93	13 19 35.3	15 12.9	0.388 2015	1640	11 42.5
	2	2 18 51.53	2 52.11	13 34 48.2	15 4.4	0.388 3655	1599	11 41.5
	3	2 21 43.64		+13 49 52.6		0.388 5254		11 40.4

Tag	0ʰ Welt-Zeit						Obere Kulmination in Greenwich
	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1934	h m s	m s	° ′ ″	′ ″			h m
Mai 3	2 21 43.64	2 52.28	+13 49 52.6	14 55.8	0.388 5254	1558	11 40.4
4	2 24 35.92	2 52.46	14 4 48.4	14 47.1	0.388 6812	1514	11 39.3
5	2 27 28.38	2 52.65	14 19 35.5	14 38.3	0.388 8326	1471	11 38.3
6	2 30 21.03	2 52.83	14 34 13.8	14 29.3	0.388 9797	1426	11 37.2
7	2 33 13.86	2 53.02	14 48 43.1	14 20.3	0.389 1223	1381	11 36.1
8	2 36 6.88	2 53.21	15 3 3.4	14 11.0	0.389 2604	1333	11 35.1
9	2 39 0.09	2 53.40	+15 17 14.4	14 1.7	0.389 3937	1286	11 34.0
10	2 41 53.49	2 53.59	15 31 16.1	13 52.2	0.389 5223	1236	11 33.0
11	2 44 47.08	2 53.78	15 45 8.3	13 42.6	0.389 6459	1186	11 31.9
12	2 47 40.86	2 53.97	15 58 50.9	13 32.9	0.389 7645	1136	11 30.9
13	2 50 34.83	2 54.16	16 12 23.8	13 23.0	0.389 8781	1084	11 29.8
14	2 53 28.99	2 54.35	16 25 46.8	13 13.0	0.389 9865	1033	11 28.8
15	2 56 23.34	2 54.53	+16 38 59.8	13 3.0	0.390 0898	980	11 27.7
16	2 59 17.87	2 54.71	16 52 2.8	12 52.7	0.390 1878	929	11 26.7
17	3 2 12.58	2 54.90	17 4 55.5	12 42.3	0.390 2807	875	11 25.7
18	3 5 7.48	2 55.07	17 17 37.8	12 31.9	0.390 3682	823	11 24.7
19	3 8 2.55	2 55.25	17 30 9.7	12 21.4	0.390 4505	770	11 23.7
20	3 10 57.80	2 55.43	17 42 31.1	12 10.8	0.390 5275	716	11 22.6
21	3 13 53.23	2 55.60	+17 54 41.9	12 0.0	0.390 5991	663	11 21.6
22	3 16 48.83	2 55.78	18 6 41.9	11 49.3	0.390 6654	610	11 20.6
23	3 19 44.61	2 55.95	18 18 31.2	11 38.3	0.390 7264	556	11 19.6
24	3 22 40.56	2 56.13	18 30 9.5	11 27.2	0.390 7820	502	11 18.6
25	3 25 36.69	2 56.29	18 41 36.7	11 16.2	0.390 8322	448	11 17.6
26	3 28 32.98	2 56.46	18 52 52.9	11 5.0	0.390 8770	395	11 16.6
27	3 31 29.44	2 56.63	+19 3 57.9	10 53.6	0.390 9165	340	11 15.6
28	3 34 26.07	2 56.80	19 14 51.5	10 42.3	0.390 9505	286	11 14.6
29	3 37 22.87	2 56.96	19 25 33.8	10 30.9	0.390 9791	230	11 13.6
30	3 40 19.83	2 57.13	19 36 4.7	10 19.3	0.391 0021	174	11 12.6
31	3 43 16.96	2 57.29	19 46 24.0	10 7.8	0.391 0195	117	11 11.6
Juni 1	3 46 14.25	2 57.45	19 56 31.8	9 56.2	0.391 0312	58	11 10.6
2	3 49 11.70	2 57.61	+20 6 28.0	9 44.3	0.391 0370	2	11 9.6
3	3 52 9.31	2 57.76	20 16 12.3	9 32.6	0.391 0368	62	11 8.6
4	3 55 7.07	2 57.92	20 25 44.9	9 20.7	0.391 0306	124	11 7.7
5	3 58 4.99	2 58.06	20 35 5.6	9 8.7	0.391 0182	188	11 6.7
6	4 1 3.05	2 58.19	20 44 14.3	8 56.6	0.390 9994	252	11 5.7
7	4 4 1.24	2 58.33	20 53 10.9	8 44.5	0.390 9742	317	11 4.8
8	4 6 59.57	2 58.45	+21 1 55.4	8 32.4	0.390 9425	384	11 3.8
9	4 9 58.02	2 58.57	21 10 27.8	8 20.0	0.390 9041	451	11 2.8
10	4 12 56.59	2 58.68	21 18 47.8	8 7.8	0.390 8590	519	11 1.9
11	4 15 55.27	2 58.78	21 26 55.6	7 55.3	0.390 8071	587	11 0.9
12	4 18 54.05	2 58.88	21 34 50.9	7 43.0	0.390 7484	657	10 59.9
13	4 21 52.93		+21 42 33.9		0.390 6827		10 59.0

Tag	0h Welt-Zeit Scheinbare Rektaszension	Diff.	Scheinbare Deklination	Diff.	log Δ	Diff.	Obere Kulmination in Greenwich
1934	h m s	m s	° ′ ″	′ ″			h m
Juni 13	4 21 52.93	2 58.97	+21 42 33.9	7 30.4	0.390 6827	726	10 59.0
14	4 24 51.90	2 59.04	21 50 4.3	7 18.0	0.390 6101	796	10 58.0
15	4 27 50.94	2 59.12	21 57 22.3	7 5.3	0.390 5305	867	10 57.1
16	4 30 50.06	2 59.17	22 4 27.6	6 52.8	0.390 4438	937	10 56.1
17	4 33 49.23	2 59.23	22 11 20.4	6 40.1	0.390 3501	1008	10 55.1
18	4 36 48.46	2 59.28	22 18 0.5	6 27.4	0.390 2493	1079	10 54.2
19	4 39 47.74	2 59.31	+22 24 27.9	6 14.7	0.390 1414	1151	10 53.2
20	4 42 47.05	2 59.34	22 30 42.6	6 1.9	0.390 0263	1223	10 52.3
21	4 45 46.39	2 59.37	22 36 44.5	5 49.2	0.389 9040	1294	10 51.3
22	4 48 45.76	2 59.39	22 42 33.7	5 36.4	0.389 7746	1366	10 50.4
23	4 51 45.15	2 59.39	22 48 10.1	5 23.6	0.389 6380	1438	10 49.4
24	4 54 44.54	2 59.39	22 53 33.7	5 10.8	0.389 4942	1510	10 48.5
25	4 57 43.93	2 59.39	+22 58 44.5	4 58.0	0.389 3432	1583	10 47.5
26	5 0 43.32	2 59.38	23 3 42.5	4 45.1	0.389 1849	1656	10 46.6
27	5 3 42.70	2 59.36	23 8 27.6	4 32.2	0.389 0193	1729	10 45.6
28	5 6 42.06	2 59.34	23 12 59.8	4 19.4	0.388 8464	1803	10 44.7
29	5 9 41.40	2 59.31	23 17 19.2	4 6.6	0.388 6661	1879	10 43.7
30	5 12 40.71	2 59.27	23 21 25.8	3 53.6	0.388 4782	1957	10 42.8
Juli 1	5 15 39.98	2 59.23	+23 25 19.4	3 40.8	0.388 2825	2034	10 41.8
2	5 18 39.21	2 59.18	23 29 0.2	3 27.9	0.388 0791	2115	10 40.9
3	5 21 38.39	2 59.11	23 32 28.1	3 15.0	0.387 8676	2196	10 39.9
4	5 24 37.50	2 59.04	23 35 43.1	3 2.1	0.387 6480	2278	10 38.9
5	5 27 36.54	2 58.96	23 38 45.2	2 49.2	0.387 4202	2361	10 38.0
6	5 30 35.50	2 58.86	23 41 34.4	2 36.5	0.387 1841	2447	10 37.0
7	5 33 34.36	2 58.76	+23 44 10.9	2 23.6	0.386 9394	2531	10 36.1
8	5 36 33.12	2 58.64	23 46 34.5	2 10.7	0.386 6863	2618	10 35.1
9	5 39 31.76	2 58.51	23 48 45.2	1 58.0	0.386 4245	2705	10 34.1
10	5 42 30.27	2 58.38	23 50 43.2	1 45.2	0.386 1540	2793	10 33.2
11	5 45 28.65	2 58.23	23 52 28.4	1 32.4	0.385 8747	2881	10 32.2
12	5 48 26.88	2 58.07	23 54 0.8	1 19.8	0.385 5866	2970	10 31.2
13	5 51 24.95	2 57.90	+23 55 20.6	1 7.1	0.385 2896	3060	10 30.2
14	5 54 22.85	2 57.72	23 56 27.7	0 54.4	0.384 9836	3150	10 29.3
15	5 57 20.57	2 57.53	23 57 22.1	0 41.9	0.384 6686	3241	10 28.3
16	6 0 18.10	2 57.32	23 58 4.0	0 29.3	0.384 3445	3331	10 27.3
17	6 3 15.42	2 57.12	23 58 33.3	0 16.9	0.384 0114	3421	10 26.3
18	6 6 12.54	2 56.90	23 58 50.2	0 4.4	0.383 6693	3513	10 25.3
19	6 9 9.44	2 56.67	+23 58 54.6	0 8.0	0.383 3180	3604	10 24.3
20	6 12 6.11	2 56.43	23 58 46.6	0 20.3	0.382 9576	3695	10 23.3
21	6 15 2.54	2 56.18	23 58 26.3	0 32.6	0.382 5881	3787	10 22.3
22	6 17 58.72	2 55.94	23 57 53.7	0 44.8	0.382 2094	3879	10 21.3
23	6 20 54.66	2 55.67	23 57 8.9	0 57.0	0.381 8215	3971	10 20.3
24	6 23 50.33		+23 56 11.9		0.381 4244		10 19.3

Tag		0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1934		h m s	m s	° ′ ″	′ ″			h m
Juli	24	6 23 50.33	2 55.41	+23 56 11.9	1 9.1	0.381 4244	4063	10 19.3
	25	6 26 45.74	2 55.13	23 55 2.8	1 21.0	0.381 0181	4157	10 18.3
	26	6 29 40.87	2 54.86	23 53 41.8	1 33.1	0.380 6024	4250	10 17.3
	27	6 32 35.73	2 54.57	23 52 8.7	1 44.9	0.380 1774	4345	10 16.2
	28	6 35 30.30	2 54.28	23 50 23.8	1 56.9	0.379 7429	4442	10 15.2
	29	6 38 24.58	2 53.99	23 48 26.9	2 8.6	0.379 2987	4540	10 14.1
	30	6 41 18.57	2 53.68	+23 46 18.3	2 20.3	0.378 8447	4640	10 13.1
	31	6 44 12.25	2 53.37	23 43 58.0	2 32.0	0.378 3807	4741	10 12.0
Aug.	1	6 47 5.62	2 53.05	23 41 26.0	2 43.5	0.377 9066	4842	10 11.0
	2	6 49 58.67	2 52.73	23 38 42.5	2 55.0	0.377 4224	4946	10 9.9
	3	6 52 51.40	2 52.39	23 35 47.5	3 6.4	0.376 9278	5050	10 8.9
	4	6 55 43.79	2 52.05	23 32 41.1	3 17.7	0.376 4228	5156	10 7.8
	5	6 58 35.84	2 51.69	+23 29 23.4	3 28.9	0.375 9072	5262	10 6.7
	6	7 1 27.53	2 51.33	23 25 54.5	3 40.0	0.375 3810	5371	10 5.6
	7	7 4 18.86	2 50.96	23 22 14.5	3 51.0	0.374 8439	5479	10 4.5
	8	7 7 9.82	2 50.58	23 18 23.5	4 2.0	0.374 2960	5588	10 3.4
	9	7 10 0.40	2 50.19	23 14 21.5	4 12.8	0.373 7372	5699	10 2.3
	10	7 12 50.59	2 49.80	23 10 8.7	4 23.5	0.373 1673	5810	10 1.2
	11	7 15 40.39	2 49.40	+23 5 45.2	4 34.1	0.372 5863	5921	10 0.1
	12	7 18 29.79	2 49.00	23 1 11.1	4 44.7	0.371 9942	6032	9 59.0
	13	7 21 18.79	2 48.58	22 56 26.4	4 55.1	0.371 3910	6145	9 57.9
	14	7 24 7.37	2 48.15	22 51 31.3	5 5.4	0.370 7765	6258	9 56.7
	15	7 26 55.52	2 47.73	22 46 25.9	5 15.6	0.370 1507	6370	9 55.6
	16	7 29 43.25	2 47.30	22 41 10.3	5 25.6	0.369 5137	6484	9 54.4
	17	7 32 30.55	2 46.86	+22 35 44.7	5 35.7	0.368 8653	6597	9 53.3
	18	7 35 17.41	2 46.42	22 30 9.0	5 45.5	0.368 2056	6711	9 52.1
	19	7 38 3.83	2 45.97	22 24 23.5	5 55.2	0.367 5345	6824	9 51.0
	20	7 40 49.80	2 45.53	22 18 28.3	6 4.9	0.366 8521	6939	9 49.8
	21	7 43 35.33	2 45.08	22 12 23.4	6 14.5	0.366 1582	7054	9 48.6
	22	7 46 20.41	2 44.63	22 6 8.9	6 23.9	0.365 4528	7169	9 47.4
	23	7 49 5.04	2 44.18	+21 59 45.0	6 33.3	0.364 7359	7285	9 46.2
	24	7 51 49.22	2 43.72	21 53 11.7	6 42.6	0.364 0074	7402	9 45.0
	25	7 54 32.94	2 43.27	21 46 29.1	6 51.7	0.363 2672	7522	9 43.8
	26	7 57 16.21	2 42.81	21 39 37.4	7 0.7	0.362 5150	7641	9 42.6
	27	7 59 59.02	2 42.35	21 32 36.7	7 9.6	0.361 7509	7762	9 41.3
	28	8 2 41.37	2 41.90	21 25 27.1	7 18.5	0.360 9747	7886	9 40.1
	29	8 5 23.27	2 41.43	+21 18 8.6	7 27.1	0.360 1861	8010	9 38.8
	30	8 8 4.70	2 40.96	21 10 41.5	7 35.7	0.359 3851	8136	9 37.6
	31	8 10 45.66	2 40.50	21 3 5.8	7 44.2	0.358 5715	8264	9 36.3
Sept.	1	8 13 26.16	2 40.02	20 55 21.6	7 52.6	0.357 7451	8392	9 35.1
	2	8 16 6.18	2 39.55	20 47 29.0	8 0.7	0.356 9059	8522	9 33.8
	3	8 18 45.73		+20 39 28.3		0.356 0537		9 32.5

Tag	0ʰ Welt-Zeit: Scheinbare Rektaszension		0ʰ Welt-Zeit: Scheinbare Deklination		0ʰ Welt-Zeit: log Δ		Obere Kulmination in Greenwich
1934	h m s	m s	° ′ ″	′ ″			h m
Sept. 3	8 18 45.73	2 39.06	+20 39 28.3	8 8.8	0.356 0537	8654	9 32.5
4	8 21 24.79	2 38.59	20 31 19.5	8 16.8	0.355 1883	8787	9 31.2
5	8 24 3.38	2 38.10	20 23 2.7	8 24.6	0.354 3096	8919	9 29.9
6	8 26 41.48	2 37.61	20 14 38.1	8 32.2	0.353 4177	9053	9 28.6
7	8 29 19.09	2 37.12	20 6 5.9	8 39.8	0.352 5124	9189	9 27.3
8	8 31 56.21	2 36.62	19 57 26.1	8 47.3	0.351 5935	9325	9 25.9
9	8 34 32.83	2 36.12	+19 48 38.8	8 54.6	0.350 6610	9461	9 24.6
10	8 37 8.95	2 35.63	19 39 44.2	9 1.7	0.349 7149	9598	9 23.3
11	8 39 44.58	2 35.12	19 30 42.5	9 8.7	0.348 7551	9736	9 21.9
12	8 42 19.70	2 34.62	19 21 33.8	9 15.7	0.347 7815	9874	9 20.6
13	8 44 54.32	2 34.12	19 12 18.1	9 22.4	0.346 7941	1 0013	9 19.2
14	8 47 28.44	2 33.61	19 2 55.7	9 29.1	0.345 7928	1 0152	9 17.8
15	8 50 2.05	2 33.11	+18 53 26.6	9 35.6	0.344 7776	1 0291	9 16.4
16	8 52 35.16	2 32.61	18 43 51.0	9 42.0	0.343 7485	1 0430	9 15.0
17	8 55 7.77	2 32.11	18 34 9.0	9 48.4	0.342 7055	1 0571	9 13.6
18	8 57 39.88	2 31.60	18 24 20.6	9 54.5	0.341 6484	1 0711	9 12.2
19	9 0 11.48	2 31.11	18 14 26.1	10 0.5	0.340 5773	1 0851	9 10.8
20	9 2 42.59	2 30.61	18 4 25.6	10 6.5	0.339 4922	1 0994	9 9.4
21	9 5 13.20	2 30.12	+17 54 19.1	10 12.4	0.338 3928	1 1137	9 7.9
22	9 7 43.32	2 29.63	17 44 6.7	10 18.0	0.337 2791	1 1281	9 6.5
23	9 10 12.95	2 29.14	17 33 48.7	10 23.7	0.336 1510	1 1427	9 5.1
24	9 12 42.09	2 28.66	17 23 25.0	10 29.2	0.335 0083	1 1574	9 3.6
25	9 15 10.75	2 28.18	17 12 55.8	10 34.6	0.333 8509	1 1724	9 2.1
26	9 17 38.93	2 27.69	17 2 21.2	10 39.9	0.332 6785	1 1874	9 0.7
27	9 20 6.62	2 27.22	+16 51 41.3	10 44.9	0.331 4911	1 2027	8 59.2
28	9 22 33.84	2 26.73	16 40 56.4	10 50.0	0.330 2884	1 2181	8 57.7
29	9 25 0.57	2 26.26	16 30 6.4	10 54.8	0.329 0703	1 2337	8 56.2
30	9 27 26.83	2 25.77	16 19 11.6	10 59.6	0.327 8366	1 2494	8 54.7
Okt. 1	9 29 52.60	2 25.30	16 8 12.0	11 4.2	0.326 5872	1 2653	8 53.2
2	9 32 17.90	2 24.81	15 57 7.8	11 8.6	0.325 3219	1 2813	8 51.6
3	9 34 42.71	2 24.32	+15 45 59.2	11 13.0	0.324 0406	1 2974	8 50.1
4	9 37 7.03	2 23.85	15 34 46.2	11 17.2	0.322 7432	1 3137	8 48.6
5	9 39 30.88	2 23.36	15 23 29.0	11 21.2	0.321 4295	1 3301	8 47.0
6	9 41 54.24	2 22.88	15 12 7.8	11 25.3	0.320 0994	1 3466	8 45.5
7	9 44 17.12	2 22.40	15 0 42.5	11 29.0	0.318 7528	1 3631	8 43.9
8	9 46 39.52	2 21.91	14 49 13.5	11 32.7	0.317 3897	1 3797	8 42.3
9	9 49 1.43	2 21.44	+14 37 40.8	11 36.2	0.316 0100	1 3965	8 40.7
10	9 51 22.87	2 20.95	14 26 4.6	11 39.7	0.314 6135	1 4134	8 39.2
11	9 53 43.82	2 20.47	14 14 24.9	11 42.9	0.313 2001	1 4301	8 37.6
12	9 56 4.29	2 19.99	14 2 42.0	11 46.0	0.311 7700	1 4470	8 36.0
13	9 58 24.28	2 19.50	13 50 56.0	11 49.1	0.310 3230	1 4638	8 34.4
14	10 0 43.78		+13 39 6.9		0.308 8592		8 32.7

Mars 1934

Tag	0ʰ Welt-Zeit Scheinbare Rektaszension		0ʰ Welt-Zeit Scheinbare Deklination		0ʰ Welt-Zeit log Δ		Obere Kulmination in Greenwich
1934	h m s	m s	° ′ ″	′ ″			h m
Okt. 14	10 0 43.78	2 19.03	+13 39 6.9	11 52.0	0.308 8592	1 4809	8 32.7
15	10 3 2.81	2 18.55	13 27 14.9	11 54.9	0.307 3783	1 4978	8 31.1
16	10 5 21.36	2 18.08	13 15 20.0	11 57.5	0.305 8805	1 5148	8 29.5
17	10 7 39.44	2 17.61	13 3 22.5	12 0.1	0.304 3657	1 5320	8 27.8
18	10 9 57.05	2 17.14	12 51 22.4	12 2.5	0.302 8337	1 5492	8 26.2
19	10 12 14.19	2 16.68	12 39 19.9	12 5.0	0.301 2845	1 5666	8 24.5
20	10 14 30.87	2 16.22	+12 27 14.9	12 7.2	0.299 7179	1 5841	8 22.9
21	10 16 47.09	2 15.77	12 15 7.7	12 9.4	0.298 1338	1 6017	8 21.2
22	10 19 2.86	2 15.31	12 2 58.3	12 11.4	0.296 5321	1 6195	8 19.5
23	10 21 18.17	2 14.87	11 50 46.9	12 13.4	0.294 9126	1 6375	8 17.8
24	10 23 33.04	2 14.41	11 38 33.5	12 15.2	0.293 2751	1 6558	8 16.1
25	10 25 47.45	2 13.97	11 26 18.3	12 17.0	0.291 6193	1 6741	8 14.4
26	10 28 1.42	2 13.52	+11 14 1.3	12 18.5	0.289 9452	1 6926	8 12.7
27	10 30 14.94	2 13.08	11 1 42.8	12 20.0	0.288 2526	1 7114	8 11.0
28	10 32 28.02	2 12.63	10 49 22.8	12 21.4	0.286 5412	1 7304	8 9.3
29	10 34 40.65	2 12.19	10 37 1.4	12 22.5	0.284 8108	1 7495	8 7.5
30	10 36 52.84	2 11.73	10 24 38.9	12 23.6	0.283 0613	1 7688	8 5.8
31	10 39 4.57	2 11.29	10 12 15.3	12 24.6	0.281 2925	1 7882	8 4.1
Nov. 1	10 41 15.86	2 10.84	+ 9 59 50.7	12 25.3	0.279 5043	1 8079	8 2.3
2	10 43 26.70	2 10.39	9 47 25.4	12 26.1	0.277 6964	1 8276	8 0.6
3	10 45 37.09	2 9.93	9 34 59.3	12 26.7	0.275 8688	1 8474	7 58.8
4	10 47 47.02	2 9.48	9 22 32.6	12 27.0	0.274 0214	1 8673	7 57.0
5	10 49 56.50	2 9.02	9 10 5.6	12 27.4	0.272 1541	1 8875	7 55.2
6	10 52 5.52	2 8.57	8 57 38.2	12 27.5	0.270 2666	1 9077	7 53.4
7	10 54 14.09	2 8.10	+ 8 45 10.7	12 27.5	0.268 3589	1 9279	7 51.6
8	10 56 22.19	2 7.65	8 32 43.2	12 27.4	0.266 4310	1 9483	7 49.8
9	10 58 29.84	2 7.18	8 20 15.8	12 27.2	0.264 4827	1 9686	7 48.0
10	11 0 37.02	2 6.72	8 7 48.6	12 26.9	0.262 5141	1 9891	7 46.2
11	11 2 43.74	2 6.25	7 55 21.7	12 26.4	0.260 5250	2 0094	7 44.3
12	11 4 49.99	2 5.79	7 42 55.3	12 25.9	0.258 5156	2 0299	7 42.5
13	11 6 55.78	2 5.32	+ 7 30 29.4	12 25.3	0.256 4857	2 0506	7 40.7
14	11 9 1.10	2 4.86	7 18 4.1	12 24.4	0.254 4351	2 0712	7 38.8
15	11 11 5.96	2 4.41	7 5 39.7	12 23.6	0.252 3639	2 0919	7 36.9
16	11 13 10.37	2 3.94	6 53 16.1	12 22.7	0.250 2720	2 1129	7 35.1
17	11 15 14.31	2 3.48	6 40 53.4	12 21.7	0.248 1591	2 1339	7 33.2
18	11 17 17.79	2 3.02	6 28 31.7	12 20.5	0.246 0252	2 1550	7 31.3
19	11 19 20.81	2 2.56	+ 6 16 11.2	12 19.3	0.243 8702	2 1763	7 29.4
20	11 21 23.37	2 2.10	6 3 51.9	12 18.0	0.241 6939	2 1980	7 27.5
21	11 23 25.47	2 1.64	5 51 33.9	12 16.4	0.239 4959	2 2197	7 25.6
22	11 25 27.11	2 1.18	5 39 17.5	12 14.9	0.237 2762	2 2417	7 23.7
23	11 27 28.29	2 0.71	5 27 2.6	12 13.2	0.235 0345	2 2639	7 21.8
24	11 29 29.00		+ 5 14 49.4		0.232 7706		7 19.8

Tag		0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1934		h m s	m s	° ′ ″	′ ″			h m
Nov.	24	11 29 29.00	2 0.25	+5 14 49.4	12 11.4	0.232 7706	2 2863	7 19.8
	25	11 31 29.25	1 59.77	5 2 38.0	12 9.5	0.230 4843	2 3090	7 17.9
	26	11 33 29.02	1 59.29	4 50 28.5	12 7.3	0.228 1753	2 3317	7 16.0
	27	11 35 28.31	1 58.80	4 38 21.2	12 5.2	0.225 8436	2 3548	7 14.0
	28	11 37 27.11	1 58.32	4 26 16.0	12 2.8	0.223 4888	2 3779	7 12.0
	29	11 39 25.43	1 57.83	4 14 13.2	12 0.4	0.221 1109	2 4013	7 10.1
	30	11 41 23.26	1 57.33	+4 2 12.8	11 57.8	0.218 7096	2 4249	7 8.1
Dez.	1	11 43 20.59	1 56.83	3 50 15.0	11 55.0	0.216 2847	2 4484	7 6.1
	2	11 45 17.42	1 56.31	3 38 20.0	11 52.2	0.213 8363	2 4722	7 4.1
	3	11 47 13.73	1 55.78	3 26 27.8	11 49.2	0.211 3641	2 4962	7 2.1
	4	11 49 9.51	1 55.26	3 14 38.6	11 46.1	0.208 8679	2 5203	7 0.1
	5	11 51 4.77	1 54.72	3 2 52.5	11 42.9	0.206 3476	2 5444	6 58.1
	6	11 52 59.49	1 54.17	+2 51 9.6	11 39.4	0.203 8032	2 5685	6 56.0
	7	11 54 53.66	1 53.62	2 39 30.2	11 36.0	0.201 2347	2 5928	6 54.0
	8	11 56 47.28	1 53.06	2 27 54.2	11 32.3	0.198 6419	2 6169	6 52.0
	9	11 58 40.34	1 52.49	2 16 21.9	11 28.6	0.196 0250	2 6411	6 49.9
	10	12 0 32.83	1 51.91	2 4 53.3	11 24.7	0.193 3839	2 6654	6 47.8
	11	12 2 24.74	1 51.34	1 53 28.6	11 20.8	0.190 7185	2 6897	6 45.7
	12	12 4 16.08	1 50.75	+1 42 7.8	11 16.8	0.188 0288	2 7140	6 43.6
	13	12 6 6.83	1 50.16	1 30 51.0	11 12.6	0.185 3148	2 7385	6 41.6
	14	12 7 56.99	1 49.56	1 19 38.4	11 8.4	0.182 5763	2 7629	6 39.5
	15	12 9 46.55	1 48.95	1 8 30.0	11 4.1	0.179 8134	2 7877	6 37.3
	16	12 11 35.50	1 48.34	0 57 25.9	10 59.7	0.177 0257	2 8124	6 35.2
	17	12 13 23.84	1 47.73	0 46 26.2	10 55.1	0.174 2133	2 8374	6 33.1
	18	12 15 11.57	1 47.10	+0 35 31.1	10 50.5	0.171 3759	2 8625	6 30.9
	19	12 16 58.67	1 46.46	0 24 40.6	10 45.7	0.168 5134	2 8878	6 28.8
	20	12 18 45.13	1 45.82	0 13 54.9	10 40.9	0.165 6256	2 9134	6 26.6
	21	12 20 30.95	1 45.16	+0 3 14.0	10 36.0	0.162 7122	2 9390	6 24.4
	22	12 22 16.11	1 44.49	−0 7 22.0	10 30.8	0.159 7732	2 9650	6 22.2
	23	12 24 0.60	1 43.81	0 17 52.8	10 25.5	0.156 8082	2 9910	6 20.0
	24	12 25 44.41	1 43.11	−0 28 18.3	10 20.2	0.153 8172	3 0172	6 17.8
	25	12 27 27.52	1 42.40	0 38 38.5	10 14.7	0.150 8000	3 0436	6 15.6
	26	12 29 9.92	1 41.68	0 48 53.2	10 9.0	0.147 7564	3 0702	6 13.4
	27	12 30 51.60	1 40.94	0 59 2.2	10 3.2	0.144 6862	3 0968	6 11.1
	28	12 32 32.54	1 40.18	1 9 5.4	9 57.3	0.141 5894	3 1236	6 8.9
	29	12 34 12.72	1 39.40	1 19 2.7	9 51.3	0.138 4658	3 1504	6 6.6
	30	12 35 52.12	1 38.61	−1 28 54.0	9 45.0	0.135 3154	3 1774	6 4.3
	31	12 37 30.73	1 37.79	1 38 39.0	9 38.6	0.132 1380	3 2044	6 2.0
	32	12 39 8.52		−1 48 17.6		0.128 9336		5 59.7

Jupiter 1934

Tag		Scheinbare Rektaszension (0h Welt-Zeit)		Scheinbare Deklination (0h Welt-Zeit)		log Δ (0h Welt-Zeit)		Obere Kulmination in Greenwich
1934		h m s	s	° ′ ″	′ ″			h m
Jan.	0	13 19 29.98	24.80	−7 0 32.6	2 15.0	0.746 2847	1 2348	6 42.6
	1	13 19 54.78	24.26	7 2 47.6	2 11.5	0.745 0499	1 2421	6 39.1
	2	13 20 19.04	23.71	7 4 59.1	2 7.9	0.743 8078	1 2493	6 35.6
	3	13 20 42.75	23.16	7 7 7.0	2 4.4	0.742 5585	1 2562	6 32.0
	4	13 21 5.91	22.60	7 9 11.4	2 0.9	0.741 3023	1 2630	6 28.5
	5	13 21 28.51	22.03	7 11 12.3	1 57.2	0.740 0393	1 2693	6 24.9
	6	13 21 50.54	21.45	−7 13 9.5	1 53.6	0.738 7700	1 2756	6 21.4
	7	13 22 11.99	20.88	7 15 3.1	1 49.9	0.737 4944	1 2815	6 17.8
	8	13 22 32.87	20.28	7 16 53.0	1 46.2	0.736 2129	1 2872	6 14.2
	9	13 22 53.15	19.68	7 18 39.2	1 42.5	0.734 9257	1 2925	6 10.6
	10	13 23 12.83	19.07	7 20 21.7	1 38.7	0.733 6332	1 2976	6 7.0
	11	13 23 31.90	18.47	7 22 0.4	1 34.8	0.732 3356	1 3023	6 3.4
	12	13 23 50.37	17.85	−7 23 35.2	1 31.0	0.731 0333	1 3068	5 59.7
	13	13 24 8.22	17.22	7 25 6.2	1 27.1	0.729 7265	1 3109	5 56.1
	14	13 24 25.44	16.59	7 26 33.3	1 23.2	0.728 4156	1 3146	5 52.5
	15	13 24 42.03	15.95	7 27 56.5	1 19.3	0.727 1010	1 3180	5 48.8
	16	13 24 57.98	15.31	7 29 15.8	1 15.4	0.725 7830	1 3209	5 45.1
	17	13 25 13.29	14.66	7 30 31.2	1 11.3	0.724 4621	1 3235	5 41.5
	18	13 25 27.95	14.01	−7 31 42.5	1 7.4	0.723 1386	1 3257	5 37.8
	19	13 25 41.96	13.35	7 32 49.9	1 3.4	0.721 8129	1 3276	5 34.1
	20	13 25 55.31	12.68	7 33 53.3	0 59.4	0.720 4853	1 3289	5 30.3
	21	13 26 7.99	12.02	7 34 52.7	0 55.3	0.719 1564	1 3301	5 26.6
	22	13 26 20.01	11.35	7 35 48.0	0 51.3	0.717 8263	1 3307	5 22.9
	23	13 26 31.36	10.68	7 36 39.3	0 47.3	0.716 4956	1 3309	5 19.1
	24	13 26 42.04	10.00	−7 37 26.6	0 43.2	0.715 1647	1 3309	5 15.4
	25	13 26 52.04	9.32	7 38 9.8	0 39.1	0.713 8338	1 3304	5 11.6
	26	13 27 1.36	8.63	7 38 48.9	0 35.0	0.712 5034	1 3294	5 7.8
	27	13 27 9.99	7.95	7 39 23.9	0 31.0	0.711 1740	1 3282	5 4.0
	28	13 27 17.94	7.25	7 39 54.9	0 26.8	0.709 8458	1 3265	5 0.2
	29	13 27 25.19	6.56	7 40 21.7	0 22.7	0.708 5193	1 3243	4 56.4
	30	13 27 31.75	5.86	−7 40 44.4	0 18.5	0.707 1950	1 3219	4 52.6
	31	13 27 37.61	5.16	7 41 2.9	0 14.4	0.705 8731	1 3189	4 48.8
Febr.	1	13 27 42.77	4.46	7 41 17.3	0 10.3	0.704 5542	1 3156	4 44.9
	2	13 27 47.23	3.76	7 41 27.6	0 6.1	0.703 2386	1 3118	4 41.1
	3	13 27 50.99	3.05	7 41 33.7	0 2.0	0.701 9268	1 3076	4 37.2
	4	13 27 54.04	2.34	7 41 35.7	0 2.2	0.700 6192	1 3029	4 33.3
	5	13 27 56.38	1.63	−7 41 33.5	0 6.4	0.699 3163	1 2977	4 29.4
	6	13 27 58.01	0.91	7 41 27.1	0 10.6	0.698 0186	1 2921	4 25.5
	7	13 27 58.92	0.19	7 41 16.5	0 14.8	0.696 7265	1 2859	4 21.6
	8	13 27 59.11	0.52	7 41 1.7	0 18.9	0.695 4406	1 2793	4 17.6
	9	13 27 58.59	1.24	7 40 42.8	0 23.2	0.694 1613	1 2722	4 13.7
	10	13 27 57.35		−7 40 19.6		0.692 8891		4 9.7

Tag		0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1934		h m s	s	° ′ ″	′ ″			h m
Febr.	10	13 27 57.35	1.96	−7 40 19.6	0 27.3	0.692 8891	1 2645	4 9.7
	11	13 27 55.39	2.67	7 39 52.3	0 31.5	0.691 6246	1 2562	4 5.8
	12	13 27 52.72	3.39	7 39 20.8	0 35.7	0.690 3684	1 2475	4 1.8
	13	13 27 49.33	4.11	7 38 45.1	0 39.8	0.689 1209	1 2382	3 57.8
	14	13 27 45.22	4.83	7 38 5.3	0 44.0	0.687 8827	1 2282	3 53.8
	15	13 27 40.39	5.53	7 37 21.3	0 48.1	0.686 6545	1 2179	3 49.8
	16	13 27 34.86	6.24	−7 36 33.2	0 52.1	0.685 4366	1 2069	3 45.8
	17	13 27 28.62	6.95	7 35 41.1	0 56.2	0.684 2297	1 1953	3 41.7
	18	13 27 21.67	7.65	7 34 44.9	1 0.2	0.683 0344	1 1833	3 37.7
	19	13 27 14.02	8.34	7 33 44.7	1 4.1	0.681 8511	1 1707	3 33.6
	20	13 27 5.68	9.03	7 32 40.6	1 8.2	0.680 6804	1 1576	3 29.5
	21	13 26 56.65	9.71	7 31 32.4	1 12.0	0.679 5228	1 1439	3 25.5
	22	13 26 46.94	10.39	−7 30 20.4	1 15.9	0.678 3789	1 1298	3 21.4
	23	13 26 36.55	11.07	7 29 4.5	1 19.8	0.677 2491	1 1151	3 17.3
	24	13 26 25.48	11.73	7 27 44.7	1 23.5	0.676 1340	1 1000	3 13.1
	25	13 26 13.75	12.39	7 26 21.2	1 27.3	0.675 0340	1 0844	3 9.0
	26	13 26 1.36	13.04	7 24 53.9	1 31.0	0.673 9496	1 0682	3 4.9
	27	13 25 48.32	13.69	7 23 22.9	1 34.6	0.672 8814	1 0516	3 0.7
	28	13 25 34.63	14.32	−7 21 48.3	1 38.2	0.671 8298	1 0344	2 56.6
März	1	13 25 20.31	14.95	7 20 10.1	1 41.8	0.670 7954	1 0167	2 52.4
	2	13 25 5.36	15.58	7 18 28.3	1 45.4	0.669 7787	9985	2 48.2
	3	13 24 49.78	16.19	7 16 42.9	1 48.8	0.668 7802	9799	2 44.0
	4	13 24 33.59	16.79	7 14 54.1	1 52.3	0.667 8003	9607	2 39.8
	5	13 24 16.80	17.39	7 13 1.8	1 55.6	0.666 8396	9410	2 35.6
	6	13 23 59.41	17.97	−7 11 6.2	1 58.9	0.665 8986	9209	2 31.4
	7	13 23 41.44	18.55	7 9 7.3	2 2.2	0.664 9777	9001	2 27.2
	8	13 23 22.89	19.12	7 7 5.1	2 5.3	0.664 0776	8790	2 22.9
	9	13 23 3.77	19.66	7 4 59.8	2 8.4	0.663 1986	8573	2 18.7
	10	13 22 44.11	20.21	7 2 51.4	2 11.4	0.662 3413	8351	2 14.4
	11	13 22 23.90	20.74	7 0 40.0	2 14.4	0.661 5062	8124	2 10.2
	12	13 22 3.16	21.25	−6 58 25.6	2 17.3	0.660 6938	7892	2 5.9
	13	13 21 41.91	21.75	6 56 8.3	2 20.1	0.659 9046	7654	2 1.6
	14	13 21 20.16	22.24	6 53 48.2	2 22.7	0.659 1392	7413	1 57.3
	15	13 20 57.92	22.71	6 51 25.5	2 25.4	0.658 3979	7167	1 53.0
	16	13 20 35.21	23.16	6 49 0.1	2 27.8	0.657 6812	6917	1 48.7
	17	13 20 12.05	23.60	6 46 32.3	2 30.2	0.656 9895	6663	1 44.4
	18	13 19 48.45	24.03	−6 44 2.1	2 32.5	0.656 3232	6405	1 40.0
	19	13 19 24.42	24.43	6 41 29.6	2 34.6	0.655 6827	6143	1 35.7
	20	13 18 59.99	24.82	6 38 55.0	2 36.7	0.655 0684	5878	1 31.4
	21	13 18 35.17	25.19	6 36 18.3	2 38.7	0.654 4806	5609	1 27.0
	22	13 18 9.98	25.54	6 33 39.6	2 40.5	0.653 9197	5337	1 22.7
	23	13 17 44.44		−6 30 59.1		0.653 3860		1 18.3

Jupiter 1934

Tag		0h Welt-Zeit: Scheinbare Rektaszension		0h Welt-Zeit: Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1934		h m s	s	° ′ ″	′ ″			h m
März	23	13 17 44.44	25.87	−6 30 59.1	2 42.3	0.653 3860	5064	1 18.3
	24	13 17 18.57	26.18	6 28 16.8	2 44.0	0.652 8796	4786	1 14.0
	25	13 16 52.39	26.49	6 25 32.8	2 45.4	0.652 4010	4506	1 9.6
	26	13 16 25.90	26.76	6 22 47.4	2 46.9	0.651 9504	4225	1 5.2
	27	13 15 59.14	27.02	6 20 0.5	2 48.2	0.651 5279	3940	1 0.9
	28	13 15 32.12	27.26	6 17 12.3	2 49.4	0.651 1339	3654	0 56.5
	29	13 15 4.86	27.49	−6 14 22.9	2 50.5	0.650 7685	3367	0 52.1
	30	13 14 37.37	27.69	6 11 32.4	2 51.4	0.650 4318	3078	0 47.7
	31	13 14 9.68	27.87	6 8 41.0	2 52.3	0.650 1240	2786	0 43.3
April	1	13 13 41.81	28.03	6 5 48.7	2 53.0	0.649 8454	2493	0 38.9
	2	13 13 13.78	28.19	6 2 55.7	2 53.7	0.649 5961	2200	0 34.5
	3	13 12 45.59	28.32	6 0 2.0	2 54.2	0.649 3761	1904	0 30.1
	4	13 12 17.27	28.43	−5 57 7.8	2 54.7	0.649 1857	1607	0 25.7
	5	13 11 48.84	28.52	5 54 13.1	2 54.9	0.649 0250	1310	0 21.3
	6	13 11 20.32	28.59	5 51 18.2	2 55.0	0.648 8940	1011	0 16.9
	7	13 10 51.73	28.65	5 48 23.2	2 55.1	0.648 7929	713	0 12.5
	8	13 10 23.08	28.67	5 45 28.1	2 55.0	0.648 7216	412	0 8.1
	9	13 9 54.41	28.68	5 42 33.1	2 54.7	0.648 6804	113	{0 3.7 23 59.3}
	10	13 9 25.73	28.68	−5 39 38.4	2 54.4	0.648 6691	189	23 54.9
	11	13 8 57.05	28.64	5 36 44.0	2 54.0	0.648 6880	489	23 50.5
	12	13 8 28.41	28.59	5 33 50.0	2 53.3	0.648 7369	789	23 46.1
	13	13 7 59.82	28.52	5 30 56.7	2 52.5	0.648 8158	1088	23 41.7
	14	13 7 31.30	28.42	5 28 4.2	2 51.7	0.648 9246	1386	23 37.3
	15	13 7 2.88	28.31	5 25 12.5	2 50.7	0.649 0632	1683	23 32.9
	16	13 6 34.57	28.17	−5 22 21.8	2 49.6	0.649 2315	1979	23 28.5
	17	13 6 6.40	28.02	5 19 32.2	2 48.3	0.649 4294	2272	23 24.1
	18	13 5 38.38	27.84	5 16 43.9	2 46.9	0.649 6566	2563	23 19.7
	19	13 5 10.54	27.65	5 13 57.0	2 45.4	0.649 9129	2853	23 15.3
	20	13 4 42.89	27.43	5 11 11.6	2 43.8	0.650 1982	3139	23 10.9
	21	13 4 15.46	27.20	5 8 27.8	2 42.1	0.650 5121	3424	23 6.5
	22	13 3 48.26	26.94	−5 5 45.7	2 40.2	0.650 8545	3704	23 2.1
	23	13 3 21.32	26.68	5 3 5.5	2 38.3	0.651 2249	3982	22 57.8
	24	13 2 54.64	26.39	5 0 27.2	2 36.2	0.651 6231	4257	22 53.4
	25	13 2 28.25	26.08	4 57 51.0	2 34.1	0.652 0488	4529	22 49.0
	26	13 2 2.17	25.77	4 55 16.9	2 31.8	0.652 5017	4799	22 44.7
	27	13 1 36.40	25.44	4 52 45.1	2 29.5	0.652 9816	5064	22 40.3
	28	13 1 10.96	25.09	−4 50 15.6	2 27.1	0.653 4880	5327	22 36.0
	29	13 0 45.87	24.72	4 47 48.5	2 24.6	0.654 0207	5585	22 31.6
	30	13 0 21.15	24.34	4 45 23.9	2 21.9	0.654 5792	5840	22 27.3
Mai	1	12 59 56.81	23.96	4 43 2.0	2 19.3	0.655 1632	6090	22 23.0
	2	12 59 32.85	23.54	4 40 42.7	2 16.5	0.655 7722	6339	22 18.7
	3	12 59 9.31		−4 38 26.2		0.656 4061		22 14.3

Tag	0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1934	h m s	s	° ′ ″	′ ″			h m
Mai 3	12 59 9.31	23.12	−4 38 26.2	2 13.6	0.656 4061	6583	22 14.3
4	12 58 46.19	22.69	4 36 12.6	2 10.7	0.657 0644	6824	22 10.0
5	12 58 23.50	22.24	4 34 1.9	2 7.6	0.657 7468	7060	22 5.7
6	12 58 1.26	21.77	4 31 54.3	2 4.4	0.658 4528	7293	22 1.4
7	12 57 39.49	21.30	4 29 49.9	2 1.3	0.659 1821	7523	21 57.1
8	12 57 18.19	20.81	4 27 48.6	1 58.0	0.659 9344	7747	21 52.9
9	12 56 57.38	20.31	−4 25 50.6	1 54.6	0.660 7091	7967	21 48.6
10	12 56 37.07	19.80	4 23 56.0	1 51.2	0.661 5058	8183	21 44.3
11	12 56 17.27	19.27	4 22 4.8	1 47.6	0.662 3241	8393	21 40.1
12	12 55 58.00	18.74	4 20 17.2	1 44.1	0.663 1634	8599	21 35.8
13	12 55 39.26	18.18	4 18 33.1	1 40.4	0.664 0233	8799	21 31.6
14	12 55 21.08	17.63	4 16 52.7	1 36.7	0.664 9032	8995	21 27.4
15	12 55 3.45	17.06	−4 15 16.0	1 33.0	0.665 8027	9185	21 23.2
16	12 54 46.39	16.48	4 13 43.0	1 29.1	0.666 7212	9371	21 19.0
17	12 54 29.91	15.89	4 12 13.9	1 25.3	0.667 6583	9552	21 14.8
18	12 54 14.02	15.30	4 10 48.6	1 21.3	0.668 6135	9727	21 10.6
19	12 53 58.72	14.70	4 9 27.3	1 17.4	0.669 5862	9896	21 6.4
20	12 53 44.02	14.09	4 8 9.9	1 13.4	0.670 5758	1 0061	21 2.2
21	12 53 29.93	13.47	−4 6 56.5	1 9.4	0.671 5819	1 0219	20 58.1
22	12 53 16.46	12.85	4 5 47.1	1 5.3	0.672 6038	1 0374	20 53.9
23	12 53 3.61	12.22	4 4 41.8	1 1.2	0.673 6412	1 0521	20 49.8
24	12 52 51.39	11.60	4 3 40.6	0 57.2	0.674 6933	1 0664	20 45.7
25	12 52 39.79	10.96	4 2 43.4	0 53.0	0.675 7597	1 0802	20 41.6
26	12 52 28.83	10.33	4 1 50.4	0 48.9	0.676 8399	1 0935	20 37.5
27	12 52 18.50	9.68	−4 1 1.5	0 44.7	0.677 9334	1 1063	20 33.4
28	12 52 8.82	9.04	4 0 16.8	0 40.6	0.679 0397	1 1186	20 29.3
29	12 51 59.78	8.39	3 59 36.2	0 36.4	0.680 1583	1 1305	20 25.2
30	12 51 51.39	7.74	3 58 59.8	0 32.2	0.681 2888	1 1419	20 21.1
31	12 51 43.65	7.09	3 58 27.6	0 28.0	0.682 4307	1 1528	20 17.1
Juni 1	12 51 36.56	6.44	3 57 59.6	0 23.8	0.683 5835	1 1633	20 13.1
2	12 51 30.12	5.78	−3 57 35.8	0 19.6	0.684 7468	1 1734	20 9.0
3	12 51 24.34	5.12	3 57 16.2	0 15.3	0.685 9202	1 1829	20 5.0
4	12 51 19.22	4.47	3 57 0.9	0 11.1	0.687 1031	1 1920	20 1.0
5	12 51 14.75	3.80	3 56 49.8	0 6.9	0.688 2951	1 2007	19 57.0
6	12 51 10.95	3.13	3 56 42.9	0 2.6	0.689 4958	1 2089	19 53.0
7	12 51 7.82	2.47	3 56 40.3	0 1.7	0.690 7047	1 2167	19 49.0
8	12 51 5.35	1.80	−3 56 42.0	0 5.9	0.691 9214	1 2239	19 45.1
9	12 51 3.55	1.13	3 56 47.9	0 10.1	0.693 1453	1 2307	19 41.1
10	12 51 2.42	0.47	3 56 58.0	0 14.4	0.694 3760	1 2369	19 37.2
11	12 51 1.95	0.20	3 57 12.4	0 18.7	0.695 6129	1 2429	19 33.2
12	12 51 2.15	0.87	3 57 31.1	0 22.9	0.696 8558	1 2482	19 29.3
13	12 51 3.02		−3 57 54.0		0.698 1040		19 25.4

Tag	0h Welt-Zeit Scheinbare Rektaszension		0h Welt-Zeit Scheinbare Deklination		0h Welt-Zeit log Δ		Obere Kulmination in Greenwich
1934	h m s	s	° ′ ″	′ ″			h m
Juni 13	12 51 3.02	1.54	−3 57 54.0	0 27.1	0.698 1040	1 2532	19 25.4
14	12 51 4.56	2.20	3 58 21.1	0 31.3	0.699 3572	1 2577	19 21.5
15	12 51 6.76	2.86	3 58 52.4	0 35.5	0.700 6149	1 2617	19 17.6
16	12 51 9.62	3.53	3 59 27.9	0 39.7	0.701 8766	1 2653	19 13.7
17	12 51 13.15	4.19	4 0 7.6	0 43.8	0.703 1419	1 2684	19 9.9
18	12 51 17.34	4.84	4 0 51.4	0 47.9	0.704 4103	1 2711	19 6.0
19	12 51 22.18	5.50	−4 1 39.3	0 52.1	0.705 6814	1 2734	19 2.2
20	12 51 27.68	6.14	4 2 31.4	0 56.1	0.706 9548	1 2754	18 58.4
21	12 51 33.82	6.80	4 3 27.5	1 0.1	0.708 2302	1 2768	18 54.5
22	12 51 40.62	7.44	4 4 27.6	1 4.1	0.709 5070	1 2779	18 50.7
23	12 51 48.06	8.07	4 5 31.7	1 8.1	0.710 7849	1 2788	18 46.9
24	12 51 56.13	8.71	4 6 39.8	1 12.1	0.712 0637	1 2791	18 43.1
25	12 52 4.84	9.34	−4 7 51.9	1 15.9	0.713 3428	1 2792	18 39.4
26	12 52 14.18	9.96	4 9 7.8	1 19.8	0.714 6220	1 2789	18 35.6
27	12 52 24.14	10.59	4 10 27.6	1 23.6	0.715 9009	1 2784	18 31.8
28	12 52 34.73	11.20	4 11 51.2	1 27.5	0.717 1793	1 2775	18 28.1
29	12 52 45.93	11.81	4 13 18.7	1 31.2	0.718 4568	1 2763	18 24.4
30	12 52 57.74	12.43	4 14 49.9	1 34.9	0.719 7331	1 2749	18 20.6
Juli 1	12 53 10.17	13.03	−4 16 24.8	1 38.7	0.721 0080	1 2732	18 16.9
2	12 53 23.20	13.64	4 18 3.5	1 42.4	0.722 2812	1 2712	18 13.2
3	12 53 36.84	14.23	4 19 45.9	1 46.1	0.723 5524	1 2688	18 9.5
4	12 53 51.07	14.84	4 21 32.0	1 49.7	0.724 8212	1 2662	18 5.8
5	12 54 5.91	15.42	4 23 21.7	1 53.4	0.726 0874	1 2633	18 2.1
6	12 54 21.33	16.01	4 25 15.1	1 56.9	0.727 3507	1 2600	17 58.5
7	12 54 37.34	16.60	−4 27 12.0	2 0.5	0.728 6107	1 2565	17 54.8
8	12 54 53.94	17.18	4 29 12.5	2 4.0	0.729 8672	1 2526	17 51.2
9	12 55 11.12	17.76	4 31 16.5	2 7.5	0.731 1198	1 2485	17 47.5
10	12 55 28.88	18.32	4 33 24.0	2 10.9	0.732 3683	1 2440	17 43.9
11	12 55 47.20	18.90	4 35 34.9	2 14.3	0.733 6123	1 2393	17 40.3
12	12 56 6.10	19.45	4 37 49.2	2 17.6	0.734 8516	1 2343	17 36.6
13	12 56 25.55	20.01	−4 40 6.8	2 20.9	0.736 0859	1 2291	17 33.0
14	12 56 45.56	20.56	4 42 27.7	2 24.3	0.737 3150	1 2235	17 29.4
15	12 57 6.12	21.11	4 44 52.0	2 27.5	0.738 5385	1 2177	17 25.9
16	12 57 27.23	21.65	4 47 19.5	2 30.6	0.739 7562	1 2118	17 22.3
17	12 57 48.88	22.18	4 49 50.1	2 33.9	0.740 9680	1 2054	17 18.7
18	12 58 11.06	22.71	4 52 24.0	2 36.9	0.742 1734	1 1990	17 15.2
19	12 58 33.77	23.23	−4 55 0.9	2 40.0	0.743 3724	1 1923	17 11.6
20	12 58 57.00	23.75	4 57 40.9	2 42.9	0.744 5647	1 1853	17 8.1
21	12 59 20.75	24.25	5 0 23.8	2 46.0	0.745 7500	1 1781	17 4.5
22	12 59 45.00	24.76	5 3 9.8	2 48.8	0.746 9281	1 1709	17 1.0
23	13 0 9.76	25.26	5 5 58.6	2 51.7	0.748 0990	1 1633	16 57.5
24	13 0 35.02		−5 8 50.3		0.749 2623		16 54.0

Tag	0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1934	h m s	s	° ′ ″	′ ″			h m
Juli 24	13 0 35.02	25.75	−5 8 50.3	2 54.6	0.749 2623	1 1558	16 54.0
25	13 1 0.77	26.23	5 11 44.9	2 57.3	0.750 4181	1 1479	16 50.5
26	13 1 27.00	26.71	5 14 42.2	3 0.1	0.751 5660	1 1399	16 47.0
27	13 1 53.71	27.19	5 17 42.3	3 2.8	0.752 7059	1 1317	16 43.5
28	13 2 20.90	27.66	5 20 45.1	3 5.5	0.753 8376	1 1235	16 40.0
29	13 2 48.56	28.13	5 23 50.6	3 8.1	0.754 9611	1 1151	16 36.6
30	13 3 16.69	28.59	−5 26 58.7	3 10.7	0.756 0762	1 1065	16 33.1
31	13 3 45.28	29.05	5 30 9.4	3 13.2	0.757 1827	1 0978	16 29.7
Aug. 1	13 4 14.33	29.50	5 33 22.6	3 15.8	0.758 2805	1 0890	16 26.2
2	13 4 43.83	29.95	5 36 38.4	3 18.3	0.759 3695	1 0800	16 22.8
3	13 5 13.78	30.40	5 39 56.7	3 20.7	0.760 4495	1 0707	16 19.4
4	13 5 44.18	30.83	5 43 17.4	3 23.2	0.761 5202	1 0614	16 15.9
5	13 6 15.01	31.27	−5 46 40.6	3 25.6	0.762 5816	1 0518	16 12.5
6	13 6 46.28	31.69	5 50 6.2	3 27.9	0.763 6334	1 0422	16 9.1
7	13 7 17.97	32.12	5 53 34.1	3 30.2	0.764 6756	1 0322	16 5.7
8	13 7 50.09	32.54	5 57 4.3	3 32.4	0.765 7078	1 0223	16 2.3
9	13 8 22.63	32.95	6 0 36.7	3 34.7	0.766 7301	1 0120	15 58.9
10	13 8 55.58	33.36	6 4 11.4	3 36.8	0.767 7421	1 0018	15 55.5
11	13 9 28.94	33.77	−6 7 48.2	3 38.9	0.768 7439	9913	15 52.2
12	13 10 2.71	34.16	6 11 27.1	3 41.1	0.769 7352	9808	15 48.8
13	13 10 36.87	34.55	6 15 8.2	3 43.1	0.770 7160	9700	15 45.4
14	13 11 11.42	34.94	6 18 51.3	3 45.0	0.771 6860	9591	15 42.1
15	13 11 46.36	35.32	6 22 36.3	3 47.0	0.772 6451	9483	15 38.8
16	13 12 21.68	35.69	6 26 23.3	3 48.9	0.773 5934	9371	15 35.4
17	13 12 57.37	36.06	−6 30 12.2	3 50.7	0.774 5305	9259	15 32.1
18	13 13 33.43	36.43	6 34 2.9	3 52.6	0.775 4564	9146	15 28.8
19	13 14 9.86	36.78	6 37 55.5	3 54.3	0.776 3710	9033	15 25.4
20	13 14 46.64	37.13	6 41 49.8	3 56.0	0.777 2743	8918	15 22.1
21	13 15 23.77	37.48	6 45 45.8	3 57.7	0.778 1661	8803	15 18.8
22	13 16 1.25	37.82	6 49 43.5	3 59.4	0.779 0464	8687	15 15.5
23	13 16 39.07	38.15	−6 53 42.9	4 0.9	0.779 9151	8570	15 12.2
24	13 17 17.22	38.48	6 57 43.8	4 2.6	0.780 7721	8455	15 8.9
25	13 17 55.70	38.81	7 1 46.4	4 4.1	0.781 6176	8337	15 5.6
26	13 18 34.51	39.14	7 5 50.5	4 5.6	0.782 4513	8218	15 2.3
27	13 19 13.65	39.45	7 9 56.1	4 7.0	0.783 2731	8100	14 59.0
28	13 19 53.10	39.77	7 14 3.1	4 8.5	0.784 0831	7980	14 55.7
29	13 20 32.87	40.08	−7 18 11.6	4 9.9	0.784 8811	7859	14 52.5
30	13 21 12.95	40.39	7 22 21.5	4 11.2	0.785 6670	7738	14 49.2
31	13 21 53.34	40.69	7 26 32.7	4 12.6	0.786 4408	7616	14 46.0
Sept. 1	13 22 34.03	40.99	7 30 45.3	4 13.9	0.787 2024	7491	14 42.7
2	13 23 15.02	41.29	7 34 59.2	4 15.1	0.787 9515	7368	14 39.5
3	13 23 56.31		−7 39 14.3		0.788 6883		14 36.2

Tag	0h Welt-Zeit						Obere Kulmination in Greenwich
	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1934	h m s	s	° ′ ″	′ ″			h m
Sept. 3	13 23 56.31	41.57	− 7 39 14.3	4 16.4	0.788 6883	7242	14 36.2
4	13 24 37.88	41.86	7 43 30.7	4 17.5	0.789 4125	7116	14 33.0
5	13 25 19.74	42.13	7 47 48.2	4 18.7	0.790 1241	6990	14 29.7
6	13 26 1.87	42.42	7 52 6.9	4 19.7	0.790 8231	6862	14 26.5
7	13 26 44.29	42.68	7 56 26.6	4 20.9	0.791 5093	6734	14 23.3
8	13 27 26.97	42.95	8 0 47.5	4 21.8	0.792 1827	6604	14 20.1
9	13 28 9.92	43.21	− 8 5 9.3	4 22.8	0.792 8431	6474	14 16.8
10	13 28 53.13	43.47	8 9 32.1	4 23.8	0.793 4905	6342	14 13.6
11	13 29 36.60	43.72	8 13 55.9	4 24.7	0.794 1247	6211	14 10.4
12	13 30 20.32	43.96	8 18 20.6	4 25.5	0.794 7458	6079	14 7.2
13	13 31 4.28	44.20	8 22 46.1	4 26.4	0.795 3537	5947	14 4.0
14	13 31 48.48	44.44	8 27 12.5	4 27.1	0.795 9484	5813	14 0.8
15	13 32 32.92	44.66	− 8 31 39.6	4 27.8	0.796 5297	5680	13 57.6
16	13 33 17.58	44.89	8 36 7.4	4 28.6	0.797 0977	5546	13 54.4
17	13 34 2.47	45.11	8 40 36.0	4 29.2	0.797 6523	5412	13 51.2
18	13 34 47.58	45.33	8 45 5.2	4 29.8	0.798 1935	5277	13 48.1
19	13 35 32.91	45.53	8 49 35.0	4 30.4	0.798 7212	5143	13 44.9
20	13 36 18.44	45.74	8 54 5.4	4 30.9	0.799 2355	5008	13 41.7
21	13 37 4.18	45.94	− 8 58 36.3	4 31.5	0.799 7363	4873	13 38.5
22	13 37 50.12	46.14	9 3 7.8	4 32.0	0.800 2236	4737	13 35.4
23	13 38 36.26	46.34	9 7 39.8	4 32.4	0.800 6973	4603	13 32.2
24	13 39 22.60	46.52	9 12 12.2	4 32.9	0.801 1576	4466	13 29.1
25	13 40 9.12	46.71	9 16 45.1	4 33.3	0.801 6042	4330	13 25.9
26	13 40 55.83	46.89	9 21 18.4	4 33.6	0.802 0372	4193	13 22.7
27	13 41 42.72	47.07	− 9 25 52.0	4 33.9	0.802 4565	4056	13 19.6
28	13 42 29.79	47.25	9 30 25.9	4 34.3	0.802 8621	3918	13 16.4
29	13 43 17.04	47.42	9 35 0.2	4 34.5	0.803 2539	3780	13 13.3
30	13 44 4.46	47.59	9 39 34.7	4 34.8	0.803 6319	3641	13 10.1
Okt. 1	13 44 52.05	47.74	9 44 9.5	4 35.0	0.803 9960	3502	13 7.0
2	13 45 39.79	47.91	9 48 44.5	4 35.2	0.804 3462	3362	13 3.9
3	13 46 27.70	48.06	− 9 53 19.7	4 35.3	0.804 6824	3222	13 0.7
4	13 47 15.76	48.21	9 57 55.0	4 35.4	0.805 0046	3081	12 57.6
5	13 48 3.97	48.36	10 2 30.4	4 35.4	0.805 3127	2940	12 54.5
6	13 48 52.33	48.49	10 7 5.8	4 35.5	0.805 6067	2797	12 51.3
7	13 49 40.82	48.63	10 11 41.3	4 35.4	0.805 8864	2654	12 48.2
8	13 50 29.45	48.76	10 16 16.7	4 35.4	0.806 1518	2512	12 45.1
9	13 51 18.21	48.88	−10 20 52.1	4 35.3	0.806 4030	2368	12 42.0
10	13 52 7.09	49.00	10 25 27.4	4 35.2	0.806 6398	2224	12 38.9
11	13 52 56.09	49.12	10 30 2.6	4 35.0	0.806 8622	2081	12 35.7
12	13 53 45.21	49.23	10 34 37.6	4 34.8	0.807 0703	1937	12 32.6
13	13 54 34.44	49.33	10 39 12.4	4 34.7	0.807 2640	1793	12 29.5
14	13 55 23.77		−10 43 47.1		0.807 4433		12 26.4

Tag		0ʰ Welt-Zeit						Obere Kulmination in Greenwich
		Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1934		h m s	s	° ′ ″	′ ″			h m
Okt.	14	13 55 23.77	49.43	−10 43 47.1	4 34.3	0.807 4433	1649	12 26.4
	15	13 56 13.20	49.52	10 48 21.4	4 34.1	0.807 6082	1505	12 23.3
	16	13 57 2.72	49.61	10 52 55.5	4 33.7	0.807 7587	1361	12 20.2
	17	13 57 52.33	49.70	10 57 29.2	4 33.3	0.807 8948	1217	12 17.0
	18	13 58 42.03	49.78	11 2 2.5	4 33.0	0.808 0165	1073	12 13.9
	19	13 59 31.81	49.85	11 6 35.5	4 32.5	0.808 1238	928	12 10.8
	20	14 0 21.66	49.92	−11 11 8.0	4 32.1	0.808 2166	785	12 7.7
	21	14 1 11.58	49.99	11 15 40.1	4 31.6	0.808 2951	641	12 4.6
	22	14 2 1.57	50.06	11 20 11.7	4 31.1	0.808 3592	496	12 1.5
	23	14 2 51.63	50.12	11 24 42.8	4 30.6	0.808 4088	352	11 58.4
	24	14 3 41.75	50.17	11 29 13.4	4 30.1	0.808 4440	208	11 55.3
	25	14 4 31.92	50.22	11 33 43.5	4 29.5	0.808 4648	63	11 52.2
	26	14 5 22.14	50.27	−11 38 13.0	4 28.8	0.808 4711	82	11 49.1
	27	14 6 12.41	50.31	11 42 41.8	4 28.2	0.808 4629	226	11 46.0
	28	14 7 2.72	50.36	11 47 10.0	4 27.5	0.808 4403	373	11 42.9
	29	14 7 53.08	50.39	11 51 37.5	4 26.8	0.808 4030	518	11 39.8
	30	14 8 43.47	50.41	11 56 4.3	4 26.1	0.808 3512	664	11 36.7
	31	14 9 33.88	50.44	12 0 30.4	4 25.4	0.808 2848	811	11 33.6
Nov.	1	14 10 24.32	50.46	−12 4 55.8	4 24.6	0.808 2037	958	11 30.5
	2	14 11 14.78	50.48	12 9 20.4	4 23.7	0.808 1079	1106	11 27.5
	3	14 12 5.26	50.48	12 13 44.1	4 22.9	0.807 9973	1253	11 24.4
	4	14 12 55.74	50.48	12 18 7.0	4 22.0	0.807 8720	1400	11 21.3
	5	14 13 46.22	50.49	12 22 29.0	4 21.1	0.807 7320	1548	11 18.2
	6	14 14 36.71	50.47	12 26 50.1	4 20.1	0.807 5772	1696	11 15.1
	7	14 15 27.18	50.47	−12 31 10.2	4 19.1	0.807 4076	1843	11 12.0
	8	14 16 17.65	50.44	12 35 29.3	4 18.1	0.807 2233	1991	11 8.9
	9	14 17 8.09	50.42	12 39 47.4	4 17.1	0.807 0242	2139	11 5.8
	10	14 17 58.51	50.38	12 44 4.5	4 15.9	0.806 8103	2287	11 2.7
	11	14 18 48.89	50.35	12 48 20.4	4 14.9	0.806 5816	2434	10 59.6
	12	14 19 39.24	50.31	12 52 35.3	4 13.7	0.806 3382	2581	10 56.5
	13	14 20 29.55	50.25	−12 56 49.0	4 12.6	0.806 0801	2728	10 53.4
	14	14 21 19.80	50.21	13 1 1.6	4 11.4	0.805 8073	2875	10 50.3
	15	14 22 10.01	50.14	13 5 13.0	4 10.2	0.805 5198	3021	10 47.2
	16	14 23 0.15	50.08	13 9 23.2	4 8.9	0.805 2177	3167	10 44.1
	17	14 23 50.23	50.01	13 13 32.1	4 7.7	0.804 9010	3312	10 41.0
	18	14 24 40.24	49.94	13 17 39.8	4 6.3	0.804 5698	3457	10 37.9
	19	14 25 30.18	49.86	−13 21 46.1	4 5.1	0.804 2241	3603	10 34.8
	20	14 26 20.04	49.78	13 25 51.2	4 3.7	0.803 8638	3748	10 31.7
	21	14 27 9.82	49.69	13 29 54.9	4 2.4	0.803 4890	3892	10 28.6
	22	14 27 59.51	49.60	13 33 57.3	4 1.1	0.803 0998	4038	10 25.5
	23	14 28 49.11	49.50	13 37 58.4	3 59.6	0.802 6960	4182	10 22.4
	24	14 29 38.61		−13 41 58.0		0.802 2778		10 19.3

Jupiter 1934

Tag	0h Welt-Zeit						Obere Kulmination in Greenwich
	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1934	h m s	s	° ′ ″	′ ″			h m
Nov. 24	14 29 38.61	49.39	−13 41 58.0	3 58.2	0.802 2778	4328	10 19.3
25	14 30 28.00	49.29	13 45 56.2	3 56.8	0.801 8450	4472	10 16.2
26	14 31 17.29	49.17	13 49 53.0	3 55.3	0.801 3978	4618	10 13.0
27	14 32 6.46	49.05	13 53 48.3	3 53.8	0.800 9360	4762	10 9.9
28	14 32 55.51	48.92	13 57 42.1	3 52.3	0.800 4598	4908	10 6.8
29	14 33 44.43	48.79	14 1 34.4	3 50.7	0.799 9690	5053	10 3.7
30	14 34 33.22	48.65	−14 5 25.1	3 49.2	0.799 4637	5197	10 0.5
Dez. 1	14 35 21.87	48.51	14 9 14.3	3 47.5	0.798 9440	5342	9 57.4
2	14 36 10.38	48.36	14 13 1.8	3 46.0	0.798 4098	5486	9 54.3
3	14 36 58.74	48.20	14 16 47.8	3 44.2	0.797 8612	5631	9 51.2
4	14 37 46.94	48.03	14 20 32.0	3 42.6	0.797 2981	5774	9 48.0
5	14 38 34.97	47.87	14 24 14.6	3 40.9	0.796 7207	5918	9 44.9
6	14 39 22.84	47.68	−14 27 55.5	3 39.2	0.796 1289	6062	9 41.7
7	14 40 10.52	47.50	14 31 34.7	3 37.4	0.795 5227	6204	9 38.6
8	14 40 58.02	47.30	14 35 12.1	3 35.6	0.794 9023	6346	9 35.5
9	14 41 45.32	47.11	14 38 47.7	3 33.9	0.794 2677	6488	9 32.3
10	14 42 32.43	46.89	14 42 21.6	3 32.0	0.793 6189	6629	9 29.2
11	14 43 19.32	46.68	14 45 53.6	3 30.1	0.792 9560	6769	9 26.0
12	14 44 6.00	46.46	−14 49 23.7	3 28.3	0.792 2791	6908	9 22.8
13	14 44 52.46	46.23	14 52 52.0	3 26.4	0.791 5883	7047	9 19.7
14	14 45 38.69	46.00	14 56 18.4	3 24.5	0.790 8836	7184	9 16.5
15	14 46 24.69	45.76	14 59 42.9	3 22.6	0.790 1652	7321	9 13.3
16	14 47 10.45	45.52	15 3 5.5	3 20.7	0.789 4331	7457	9 10.2
17	14 47 55.97	45.26	15 6 26.2	3 18.7	0.788 6874	7592	9 7.0
18	14 48 41.23	45.01	−15 9 44.9	3 16.7	0.787 9282	7727	9 3.8
19	14 49 26.24	44.75	15 13 1.6	3 14.8	0.787 1555	7862	9 0.6
20	14 50 10.99	44.48	15 16 16.4	3 12.7	0.786 3693	7995	8 57.4
21	14 50 55.47	44.21	15 19 29.1	3 10.7	0.785 5698	8129	8 54.2
22	14 51 39.68	43.92	15 22 39.8	3 8.7	0.784 7569	8261	8 51.0
23	14 52 23.60	43.63	15 25 48.5	3 6.6	0.783 9308	8394	8 47.8
24	14 53 7.23	43.33	−15 28 55.1	3 4.6	0.783 0914	8526	8 44.6
25	14 53 50.56	43.03	15 31 59.7	3 2.5	0.782 2388	8657	8 41.4
26	14 54 33.59	42.72	15 35 2.2	3 0.4	0.781 3731	8787	8 38.2
27	14 55 16.31	42.41	15 38 2.6	2 58.2	0.780 4944	8916	8 34.9
28	14 55 58.72	42.08	15 41 0.8	2 56.1	0.779 6028	9045	8 31.7
29	14 56 40.80	41.75	15 43 56.9	2 54.0	0.778 6983	9173	8 28.5
30	14 57 22.55	41.41	−15 46 50.9	2 51.7	0.777 7810	9301	8 25.3
31	14 58 3.96	41.06	15 49 42.6	2 49.5	0.776 8509	9427	8 22.0
32	14 58 45.02		−15 52 32.1		0.775 9082		8 18.7

Tag		0h Welt-Zeit: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1934		h m s	s	° ′ ″	′ ″			h m
Jan.	0	21 8 9.72	25.46	−17 28 4.3	1 50.0	1.027 9178	3863	14 30.2
	1	21 8 35.18	25.63	17 26 14.3	1 51.0	1.028 3041	3770	14 26.6
	2	21 9 0.81	25.79	17 24 23.3	1 51.8	1.028 6811	3678	14 23.1
	3	21 9 26.60	25.96	17 22 31.5	1 52.6	1.029 0489	3585	14 19.6
	4	21 9 52.56	26.12	17 20 38.9	1 53.6	1.029 4074	3492	14 16.1
	5	21 10 18.68	26.27	17 18 45.3	1 54.3	1.029 7566	3397	14 12.6
	6	21 10 44.95	26.42	−17 16 51.0	1 55.2	1.030 0963	3303	14 9.1
	7	21 11 11.37	26.56	17 14 55.8	1 56.0	1.030 4266	3207	14 5.6
	8	21 11 37.93	26.70	17 12 59.8	1 56.8	1.030 7473	3111	14 2.2
	9	21 12 4.63	26.83	17 11 3.0	1 57.6	1.031 0584	3014	13 58.7
	10	21 12 31.46	26.97	17 9 5.4	1 58.3	1.031 3598	2917	13 55.2
	11	21 12 58.43	27.10	17 7 7.1	1 59.1	1.031 6515	2819	13 51.7
	12	21 13 25.53	27.21	−17 5 8.0	1 59.8	1.031 9334	2721	13 48.2
	13	21 13 52.74	27.34	17 3 8.2	2 0.5	1.032 2055	2621	13 44.8
	14	21 14 20.08	27.44	17 1 7.7	2 1.2	1.032 4676	2522	13 41.3
	15	21 14 47.52	27.55	16 59 6.5	2 1.8	1.032 7198	2421	13 37.8
	16	21 15 15.07	27.66	16 57 4.7	2 2.5	1.032 9619	2321	13 34.3
	17	21 15 42.73	27.75	16 55 2.2	2 3.1	1.033 1940	2219	13 30.8
	18	21 16 10.48	27.84	−16 52 59.1	2 3.7	1.033 4159	2118	13 27.4
	19	21 16 38.32	27.93	16 50 55.4	2 4.3	1.033 6277	2016	13 23.9
	20	21 17 6.25	28.00	16 48 51.1	2 4.8	1.033 8293	1914	13 20.4
	21	21 17 34.25	28.08	16 46 46.3	2 5.3	1.034 0207	1813	13 17.0
	22	21 18 2.33	28.15	16 44 41.0	2 5.9	1.034 2020	1711	13 13.5
	23	21 18 30.48	28.22	16 42 35.1	2 6.3	1.034 3731	1608	13 10.1
	24	21 18 58.70	28.27	−16 40 28.8	2 6.8	1.034 5339	1506	13 6.6
	25	21 19 26.97	28.34	16 38 22.0	2 7.3	1.034 6845	1404	13 3.1
	26	21 19 55.31	28.38	16 36 14.7	2 7.7	1.034 8249	1302	12 59.7
	27	21 20 23.69	28.43	16 34 7.0	2 8.0	1.034 9551	1199	12 56.2
	28	21 20 52.12	28.47	16 31 59.0	2 8.5	1.035 0750	1096	12 52.7
	29	21 21 20.59	28.52	16 29 50.5	2 8.8	1.035 1846	993	12 49.3
	30	21 21 49.11	28.55	−16 27 41.7	2 9.1	1.035 2839	891	12 45.8
	31	21 22 17.66	28.57	16 25 32.6	2 9.5	1.035 3730	788	12 42.3
Febr.	1	21 22 46.23	28.60	16 23 23.1	2 9.8	1.035 4518	685	12 38.9
	2	21 23 14.83	28.63	16 21 13.3	2 10.1	1.035 5203	583	12 35.4
	3	21 23 43.46	28.64	16 19 3.2	2 10.4	1.035 5786	479	12 32.0
	4	21 24 12.10	28.65	16 16 52.8	2 10.6	1.035 6265	376	12 28.5
	5	21 24 40.75	28.66	−16 14 42.2	2 10.9	1.035 6641	272	12 25.0
	6	21 25 9.41	28.67	16 12 31.3	2 11.0	1.035 6913	168	12 21.6
	7	21 25 38.08	28.66	16 10 20.3	2 11.2	1.035 7081	65	12 18.2
	8	21 26 6.74	28.66	16 8 9.1	2 11.4	1.035 7146	39	12 14.7
	9	21 26 35.40	28.65	16 5 57.7	2 11.6	1.035 7107	143	12 11.2
	10	21 27 4.05		−16 3 46.1		1.035 6964		12 7.8

Tag	0ʰ Welt-Zeit						Obere Kulmination in Greenwich
	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1934	h m s	s	° ′ ″	′ ″			h m
Febr. 10	21 27 4.05	28.64	−16 3 46.1	2 11.7	1.035 6964	247	12 7.8
11	21 27 32.69	28.62	16 1 34.4	2 11.7	1.035 6717	350	12 4.3
12	21 28 1.31	28.59	15 59 22.7	2 11.9	1.035 6367	454	12 0.9
13	21 28 29.90	28.57	15 57 10.8	2 11.8	1.035 5913	558	11 57.4
14	21 28 58.47	28.53	15 54 59.0	2 11.9	1.035 5355	663	11 53.9
15	21 29 27.00	28.49	15 52 47.1	2 11.9	1.035 4692	766	11 50.5
16	21 29 55.49	28.45	−15 50 35.2	2 11.9	1.035 3926	870	11 47.0
17	21 30 23.94	28.40	15 48 23.3	2 11.8	1.035 3056	973	11 43.6
18	21 30 52.34	28.35	15 46 11.5	2 11.7	1.035 2083	1076	11 40.1
19	21 31 20.69	28.29	15 43 59.8	2 11.6	1.035 1007	1178	11 36.6
20	21 31 48.98	28.23	15 41 48.2	2 11.4	1.034 9829	1280	11 33.2
21	21 32 17.21	28.16	15 39 36.8	2 11.3	1.034 8549	1382	11 29.7
22	21 32 45.37	28.10	−15 37 25.5	2 11.2	1.034 7167	1483	11 26.3
23	21 33 13.47	28.01	15 35 14.3	2 10.9	1.034 5684	1584	11 22.8
24	21 33 41.48	27.94	15 33 3.4	2 10.7	1.034 4100	1684	11 19.3
25	21 34 9.42	27.86	15 30 52.7	2 10.4	1.034 2416	1785	11 15.9
26	21 34 37.28	27.76	15 28 42.3	2 10.1	1.034 0631	1885	11 12.4
27	21 35 5.04	27.68	15 26 32.2	2 9.9	1.033 8746	1984	11 8.9
28	21 35 32.72	27.58	−15 24 22.3	2 9.5	1.033 6762	2083	11 5.4
März 1	21 36 0.30	27.48	15 22 12.8	2 9.3	1.033 4679	2182	11 2.0
2	21 36 27.78	27.38	15 20 3.5	2 8.9	1.033 2497	2280	10 58.5
3	21 36 55.16	27.27	15 17 54.6	2 8.5	1.033 0217	2378	10 55.0
4	21 37 22.43	27.17	15 15 46.1	2 8.1	1.032 7839	2475	10 51.5
5	21 37 49.60	27.05	15 13 38.0	2 7.7	1.032 5364	2574	10 48.0
6	21 38 16.65	26.93	−15 11 30.3	2 7.2	1.032 2790	2671	10 44.6
7	21 38 43.58	26.81	15 9 23.1	2 6.8	1.032 0119	2768	10 41.1
8	21 39 10.39	26.68	15 7 16.3	2 6.3	1.031 7351	2865	10 37.6
9	21 39 37.07	26.55	15 5 10.0	2 5.7	1.031 4486	2960	10 34.1
10	21 40 3.62	26.42	15 3 4.3	2 5.2	1.031 1526	3055	10 30.6
11	21 40 30.04	26.28	15 0 59.1	2 4.7	1.030 8471	3151	10 27.1
12	21 40 56.32	26.13	−14 58 54.4	2 4.0	1.030 5320	3246	10 23.6
13	21 41 22.45	25.98	14 56 50.4	2 3.4	1.030 2074	3340	10 20.1
14	21 41 48.43	25.83	14 54 47.0	2 2.8	1.029 8734	3433	10 16.6
15	21 42 14.26	25.68	14 52 44.2	2 2.1	1.029 5301	3527	10 13.1
16	21 42 39.94	25.51	14 50 42.1	2 1.4	1.029 1774	3620	10 9.6
17	21 43 5.45	25.34	14 48 40.7	2 0.6	1.028 8154	3711	10 6.1
18	21 43 30.79	25.17	−14 46 40.1	1 59.9	1.028 4443	3802	10 2.6
19	21 43 55.96	25.00	14 44 40.2	1 59.0	1.028 0641	3893	9 59.0
20	21 44 20.96	24.82	14 42 41.2	1 58.3	1.027 6748	3981	9 55.5
21	21 44 45.78	24.63	14 40 42.9	1 57.4	1.027 2767	4070	9 52.0
22	21 45 10.41	24.45	14 38 45.5	1 56.6	1.026 8697	4157	9 48.5
23	21 45 34.86		−14 36 48.9		1.026 4540		9 45.0

Tag	0ʰ Welt-Zeit: Scheinbare Rektaszension		0ʰ Welt-Zeit: Scheinbare Deklination		0ʰ Welt-Zeit: log Δ		Obere Kulmination in Greenwich
1934	h m s	s	° ′ ″	′ ″			h m
März 23	21 45 34.86	24.26	−14 36 48.9	1 55.7	1.026 4540	4244	9 45.0
24	21 45 59.12	24.06	14 34 53.2	1 54.8	1.026 0296	4330	9 41.4
25	21 46 23.18	23.87	14 32 58.4	1 53.8	1.025 5966	4415	9 37.9
26	21 46 47.05	23.67	14 31 4.6	1 52.9	1.025 1551	4499	9 34.4
27	21 47 10.72	23.46	14 29 11.7	1 52.0	1.024 7052	4583	9 30.8
28	21 47 34.18	23.26	14 27 19.7	1 51.0	1.024 2469	4666	9 27.3
29	21 47 57.44	23.05	−14 25 28.7	1 50.0	1.023 7803	4747	9 23.7
30	21 48 20.49	22.82	14 23 38.7	1 48.9	1.023 3056	4827	9 20.2
31	21 48 43.31	22.61	14 21 49.8	1 47.8	1.022 8229	4908	9 16.6
April 1	21 49 5.92	22.39	14 20 2.0	1 46.8	1.022 3321	4988	9 13.1
2	21 49 28.31	22.16	14 18 15.2	1 45.7	1.021 8333	5066	9 9.5
3	21 49 50.47	21.94	14 16 29.5	1 44.6	1.021 3267	5144	9 6.0
4	21 50 12.41	21.71	−14 14 44.9	1 43.4	1.020 8123	5221	9 2.4
5	21 50 34.12	21.47	14 13 1.5	1 42.2	1.020 2902	5298	8 58.8
6	21 50 55.59	21.23	14 11 19.3	1 41.1	1.019 7604	5373	8 55.2
7	21 51 16.82	20.98	14 9 38.2	1 39.8	1.019 2231	5448	8 51.6
8	21 51 37.80	20.74	14 7 58.4	1 38.5	1.018 6783	5521	8 48.0
9	21 51 58.54	20.48	14 6 19.9	1 37.3	1.018 1262	5594	8 44.4
10	21 52 19.02	20.23	−14 4 42.6	1 36.0	1.017 5668	5666	8 40.9
11	21 52 39.25	19.97	14 3 6.6	1 34.7	1.017 0002	5736	8 37.3
12	21 52 59.22	19.71	14 1 31.9	1 33.4	1.016 4266	5805	8 33.7
13	21 53 18.93	19.45	13 59 58.5	1 31.9	1.015 8461	5873	8 30.1
14	21 53 38.38	19.17	13 58 26.6	1 30.6	1.015 2588	5940	8 26.5
15	21 53 57.55	18.89	13 56 56.0	1 29.1	1.014 6648	6006	8 22.8
16	21 54 16.44	18.61	−13 55 26.9	1 27.7	1.014 0642	6071	8 19.2
17	21 54 35.05	18.34	13 53 59.2	1 26.2	1.013 4571	6133	8 15.6
18	21 54 53.39	18.05	13 52 33.0	1 24.8	1.012 8438	6195	8 12.0
19	21 55 11.44	17.76	13 51 8.2	1 23.2	1.012 2243	6255	8 8.3
20	21 55 29.20	17.47	13 49 45.0	1 21.7	1.011 5988	6314	8 4.7
21	21 55 46.67	17.18	13 48 23.3	1 20.2	1.010 9674	6371	8 1.0
22	21 56 3.85	16.88	−13 47 3.1	1 18.6	1.010 3303	6427	7 57.4
23	21 56 20.73	16.58	13 45 44.5	1 17.0	1.009 6876	6482	7 53.7
24	21 56 37.31	16.28	13 44 27.5	1 15.5	1.009 0394	6536	7 50.1
25	21 56 53.59	15.98	13 43 12.0	1 13.8	1.008 3858	6587	7 46.4
26	21 57 9.57	15.67	13 41 58.2	1 12.2	1.007 7271	6638	7 42.8
27	21 57 25.24	15.36	13 40 46.0	1 10.5	1.007 0633	6688	7 39.1
28	21 57 40.60	15.05	−13 39 35.5	1 8.9	1.006 3945	6735	7 35.4
29	21 57 55.65	14.73	13 38 26.6	1 7.2	1.005 7210	6783	7 31.7
30	21 58 10.38	14.42	13 37 19.4	1 5.5	1.005 0427	6827	7 28.0
Mai 1	21 58 24.80	14.09	13 36 13.9	1 3.8	1.004 3600	6872	7 24.3
2	21 58 38.89	13.77	13 35 10.1	1 2.1	1.003 6728	6914	7 20.6
3	21 58 52.66		−13 34 8.0		1.002 9814		7 16.9

Tag	0ʰ Welt-Zeit Scheinbare Rektaszension		0ʰ Welt-Zeit Scheinbare Deklination		0ʰ Welt-Zeit log Δ		Obere Kulmination in Greenwich
1934	h m s	s	° ′ ″	′ ″			h m
Mai 3	21 58 52.66	13.45	−13 34 8.0	1 0.3	1.002 9814	6956	7 16.9
4	21 59 6.11	13.12	13 33 7.7	0 58.5	1.002 2858	6996	7 13.2
5	21 59 19.23	12.78	13 32 9.2	0 56.8	1.001 5862	7033	7 9.5
6	21 59 32.01	12.45	13 31 12.4	0 54.9	1.000 8829	7071	7 5.8
7	21 59 44.46	12.11	13 30 17.5	0 53.1	1.000 1758	7106	7 2.0
8	21 59 56.57	11.77	13 29 24.4	0 51.3	0.999 4652	7140	6 58.3
9	22 0 8.34	11.43	−13 28 33.1	0 49.4	0.998 7512	7172	6 54.6
10	22 0 19.77	11.08	13 27 43.7	0 47.5	0.998 0340	7203	6 50.9
11	22 0 30.85	10.73	13 26 56.2	0 45.7	0.997 3137	7231	6 47.1
12	22 0 41.58	10.38	13 26 10.5	0 43.7	0.996 5906	7257	6 43.3
13	22 0 51.96	10.02	13 25 26.8	0 41.8	0.995 8649	7282	6 39.6
14	22 1 1.98	9.67	13 24 45.0	0 39.8	0.995 1367	7304	6 35.8
15	22 1 11.65	9.32	−13 24 5.2	0 37.9	0.994 4063	7325	6 32.0
16	22 1 20.97	8.95	13 23 27.3	0 35.9	0.993 6738	7344	6 28.3
17	22 1 29.92	8.59	13 22 51.4	0 33.9	0.992 9394	7362	6 24.5
18	22 1 38.51	8.23	13 22 17.5	0 32.0	0.992 2032	7376	6 20.7
19	22 1 46.74	7.87	13 21 45.5	0 30.0	0.991 4656	7389	6 16.9
20	22 1 54.61	7.49	13 21 15.5	0 28.0	0.990 7267	7400	6 13.1
21	22 2 2.10	7.13	−13 20 47.5	0 25.9	0.989 9867	7409	6 9.3
22	22 2 9.23	6.76	13 20 21.6	0 24.0	0.989 2458	7415	6 5.4
23	22 2 15.99	6.39	13 19 57.6	0 22.0	0.988 5043	7421	6 1.6
24	22 2 22.38	6.02	13 19 35.6	0 20.0	0.987 7622	7424	5 57.8
25	22 2 28.40	5.66	13 19 15.6	0 17.9	0.987 0198	7426	5 54.0
26	22 2 34.06	5.28	13 18 57.7	0 15.9	0.986 2772	7425	5 50.1
27	22 2 39.34	4.91	−13 18 41.8	0 13.9	0.985 5347	7423	5 46.3
28	22 2 44.25	4.53	13 18 27.9	0 11.9	0.984 7924	7418	5 42.4
29	22 2 48.78	4.16	13 18 16.0	0 9.8	0.984 0506	7412	5 38.6
30	22 2 52.94	3.78	13 18 6.2	0 7.7	0.983 3094	7403	5 34.7
31	22 2 56.72	3.41	13 17 58.5	0 5.7	0.982 5691	7394	5 30.9
Juni 1	22 3 0.13	3.03	13 17 52.8	0 3.7	0.981 8297	7381	5 27.0
2	22 3 3.16	2.65	−13 17 49.1	0 1.6	0.981 0916	7368	5 23.1
3	22 3 5.81	2.27	13 17 47.5	0 0.5	0.980 3548	7351	5 19.2
4	22 3 8.08	1.90	13 17 48.0	0 2.5	0.979 6197	7334	5 15.3
5	22 3 9.98	1.51	13 17 50.5	0 4.5	0.978 8863	7313	5 11.4
6	22 3 11.49	1.13	13 17 55.0	0 6.7	0.978 1550	7290	5 7.5
7	22 3 12.62	0.75	13 18 1.7	0 8.7	0.977 4260	7265	5 3.6
8	22 3 13.37	0.37	−13 18 10.4	0 10.7	0.976 6995	7237	4 59.7
9	22 3 13.74	0.01	13 18 21.1	0 12.9	0.975 9758	7208	4 55.7
10	22 3 13.73	0.40	13 18 34.0	0 14.9	0.975 2550	7175	4 51.8
11	22 3 13.33	0.78	13 18 48.9	0 17.0	0.974 5375	7140	4 47.9
12	22 3 12.55	1.16	13 19 5.9	0 19.0	0.973 8235	7103	4 43.9
13	22 3 11.39		−13 19 24.9		0.973 1132		4 40.0

Tag		0ʰ Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1934		h m s	s	° ′ ″	′ ″			h m
Juni	13	22 3 11.39	1.54	−13 19 24.9	0 21.0	0.973 1132	7064	4 40.0
	14	22 3 9.85	1.91	13 19 45.9	0 23.0	0.972 4068	7022	4 36.0
	15	22 3 7.94	2.29	13 20 8.9	0 25.1	0.971 7046	6978	4 32.0
	16	22 3 5.65	2.67	13 20 34.0	0 27.0	0.971 0068	6931	4 28.1
	17	22 3 2.98	3.04	13 21 1.0	0 29.1	0.970 3137	6881	4 24.1
	18	22 2 59.94	3.40	13 21 30.1	0 31.0	0.969 6256	6830	4 20.1
	19	22 2 56.54	3.78	−13 22 1.1	0 32.9	0.968 9426	6777	4 16.1
	20	22 2 52.76	4.15	13 22 34.0	0 34.9	0.968 2649	6720	4 12.1
	21	22 2 48.61	4.51	13 23 8.9	0 36.8	0.967 5929	6662	4 8.1
	22	22 2 44.10	4.88	13 23 45.7	0 38.8	0.966 9267	6601	4 4.1
	23	22 2 39.22	5.23	13 24 24.5	0 40.6	0.966 2666	6539	4 0.1
	24	22 2 33.99	5.60	13 25 5.1	0 42.5	0.965 6127	6475	3 56.1
	25	22 2 28.39	5.95	−13 25 47.6	0 44.3	0.964 9652	6408	3 52.1
	26	22 2 22.44	6.30	13 26 31.9	0 46.2	0.964 3244	6339	3 48.0
	27	22 2 16.14	6.65	13 27 18.1	0 48.0	0.963 6905	6268	3 44.0
	28	22 2 9.49	7.00	13 28 6.1	0 49.8	0.963 0637	6195	3 39.9
	29	22 2 2.49	7.35	13 28 55.9	0 51.5	0.962 4442	6121	3 35.9
	30	22 1 55.14	7.69	13 29 47.4	0 53.3	0.961 8321	6042	3 31.8
Juli	1	22 1 47.45	8.03	−13 30 40.7	0 55.0	0.961 2279	5963	3 27.8
	2	22 1 39.42	8.36	13 31 35.7	0 56.8	0.960 6316	5881	3 23.7
	3	22 1 31.06	8.70	13 32 32.5	0 58.5	0.960 0435	5796	3 19.6
	4	22 1 22.36	9.03	13 33 31.0	1 0.1	0.959 4639	5710	3 15.6
	5	22 1 13.33	9.36	13 34 31.1	1 1.8	0.958 8929	5621	3 11.5
	6	22 1 3.97	9.68	13 35 32.9	1 3.4	0.958 3308	5530	3 7.4
	7	22 0 54.29	10.00	−13 36 36.3	1 5.0	0.957 7778	5436	3 3.3
	8	22 0 44.29	10.31	13 37 41.3	1 6.6	0.957 2342	5340	2 59.2
	9	22 0 33.98	10.62	13 38 47.9	1 8.1	0.956 7002	5242	2 55.1
	10	22 0 23.36	10.92	13 39 56.0	1 9.6	0.956 1760	5142	2 51.0
	11	22 0 12.44	11.23	13 41 5.6	1 11.0	0.955 6618	5038	2 46.9
	12	22 0 1.21	11.52	13 42 16.6	1 12.5	0.955 1580	4934	2 42.8
	13	21 59 49.69	11.81	−13 43 29.1	1 13.8	0.954 6646	4826	2 38.6
	14	21 59 37.88	12.09	13 44 42.9	1 15.2	0.954 1820	4718	2 34.5
	15	21 59 25.79	12.37	13 45 58.1	1 16.5	0.953 7102	4607	2 30.4
	16	21 59 13.42	12.64	13 47 14.6	1 17.8	0.953 2495	4494	2 26.2
	17	21 59 0.78	12.90	13 48 32.4	1 19.1	0.952 8001	4379	2 22.1
	18	21 58 47.88	13.16	13 49 51.5	1 20.2	0.952 3622	4264	2 17.9
	19	21 58 34.72	13.41	−13 51 11.7	1 21.3	0.951 9358	4145	2 13.8
	20	21 58 21.31	13.65	13 52 33.0	1 22.5	0.951 5213	4025	2 9.6
	21	21 58 7.66	13.90	13 53 55.5	1 23.5	0.951 1188	3904	2 5.5
	22	21 57 53.76	14.12	13 55 19.0	1 24.6	0.950 7284	3780	2 1.3
	23	21 57 39.64	14.35	13 56 43.6	1 25.5	0.950 3504	3656	1 57.2
	24	21 57 25.29		−13 58 9.1		0.949 9848		1 53.0

Tag	0h Welt-Zeit						Obere Kulmination in Greenwich
	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1934	h m s	s	° ' "	' "			h m
Juli 24	21 57 25.29	14.57	−13 58 9.1	1 26.5	0.949 9848	3531	1 53.0
25	21 57 10.72	14.78	13 59 35.6	1 27.3	0.949 6317	3403	1 48.7
26	21 56 55.94	14.97	14 1 2.9	1 28.3	0.949 2914	3275	1 44.5
27	21 56 40.97	15.18	14 2 31.2	1 29.0	0.948 9639	3145	1 40.4
28	21 56 25.79	15.37	14 4 0.2	1 29.9	0.948 6494	3014	1 36.3
29	21 56 10.42	15.55	14 5 30.1	1 30.6	0.948 3480	2882	1 32.1
30	21 55 54.87	15.73	−14 7 0.7	1 31.3	0.948 0598	2747	1 27.9
31	21 55 39.14	15.90	14 8 32.0	1 32.0	0.947 7851	2612	1 23.7
Aug. 1	21 55 23.24	16.06	14 10 4.0	1 32.5	0.947 5239	2475	1 19.5
2	21 55 7.18	16.22	14 11 36.5	1 33.1	0.947 2764	2336	1 15.3
3	21 54 50.96	16.36	14 13 9.6	1 33.7	0.947 0428	2198	1 11.1
4	21 54 34.60	16.50	14 14 43.3	1 34.1	0.946 8230	2057	1 6.9
5	21 54 18.10	16.63	−14 16 17.4	1 34.6	0.946 6173	1916	1 2.7
6	21 54 1.47	16.75	14 17 52.0	1 35.0	0.946 4257	1773	0 58.5
7	21 53 44.72	16.87	14 19 27.0	1 35.3	0.946 2484	1629	0 54.3
8	21 53 27.85	16.97	14 21 2.3	1 35.5	0.946 0855	1485	0 50.1
9	21 53 10.88	17.06	14 22 37.8	1 35.8	0.945 9370	1339	0 45.8
10	21 52 53.82	17.15	14 24 13.6	1 35.9	0.945 8031	1193	0 41.6
11	21 52 36.67	17.22	−14 25 49.5	1 36.1	0.945 6838	1046	0 37.4
12	21 52 19.45	17.29	14 27 25.6	1 36.1	0.945 5792	899	0 33.2
13	21 52 2.16	17.35	14 29 1.7	1 36.1	0.945 4893	751	0 29.0
14	21 51 44.81	17.40	14 30 37.8	1 36.1	0.945 4142	604	0 24.8
15	21 51 27.41	17.43	14 32 13.9	1 36.0	0.945 3538	455	0 20.6
16	21 51 9.98	17.46	14 33 49.9	1 35.9	0.945 3083	307	0 16.3
17	21 50 52.52	17.49	−14 35 25.8	1 35.7	0.945 2776	159	0 12.1
18	21 50 35.03	17.50	14 37 1.5	1 35.5	0.945 2617	10	0 7.9
19	21 50 17.53	17.49	14 38 37.0	1 35.2	0.945 2607	138	{0 3.7 / 23 59.4}
20	21 50 0.04	17.49	14 40 12.2	1 34.9	0.945 2745	285	23 55.2
21	21 49 42.55	17.48	14 41 47.1	1 34.5	0.945 3030	434	23 51.0
22	21 49 25.07	17.44	14 43 21.6	1 34.0	0.945 3464	581	23 46.8
23	21 49 7.63	17.42	−14 44 55.6	1 33.6	0.945 4045	727	23 42.5
24	21 48 50.21	17.37	14 46 29.2	1 33.1	0.945 4772	874	23 38.3
25	21 48 32.84	17.32	14 48 2.3	1 32.6	0.945 5646	1021	23 34.1
26	21 48 15.52	17.26	14 49 34.9	1 31.9	0.945 6667	1167	23 29.9
27	21 47 58.26	17.19	14 51 6.8	1 31.4	0.945 7834	1312	23 25.7
28	21 47 41.07	17.12	14 52 38.2	1 30.7	0.945 9146	1457	23 21.4
29	21 47 23.95	17.03	−14 54 8.9	1 29.9	0.946 0603	1601	23 17.2
30	21 47 6.92	16.94	14 55 38.8	1 29.2	0.946 2204	1746	23 13.0
31	21 46 49.98	16.84	14 57 8.0	1 28.4	0.946 3950	1890	23 8.8
Sept. 1	21 46 33.14	16.73	14 58 36.4	1 27.6	0.946 5840	2032	23 4.6
2	21 46 16.41	16.60	15 0 4.0	1 26.7	0.946 7872	2176	23 0.4
3	21 45 59.81		−15 1 30.7		0.947 0048		22 56.2

Tag		0h Welt-Zeit						Obere Kulmination in Greenwich
		Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1934		h m s	s	° ′ ″	′ ″			h m
Sept.	3	21 45 59.81	16.47	−15 1 30.7	1 25.7	0.947 0048	2317	22 56.2
	4	21 45 43.34	16.34	15 2 56.4	1 24.8	0.947 2365	2457	22 52.0
	5	21 45 27.00	16.19	15 4 21.2	1 23.7	0.947 4822	2597	22 47.8
	6	21 45 10.81	16.03	15 5 44.9	1 22.7	0.947 7419	2735	22 43.6
	7	21 44 54.78	15.86	15 7 7.6	1 21.5	0.948 0154	2873	22 39.4
	8	21 44 38.92	15.69	15 8 29.1	1 20.4	0.948 3027	3008	22 35.2
	9	21 44 23.23	15.51	−15 9 49.5	1 19.2	0.948 6035	3143	22 31.0
	10	21 44 7.72	15.31	15 11 8.7	1 18.0	0.948 9178	3276	22 26.8
	11	21 43 52.41	15.11	15 12 26.7	1 16.8	0.949 2454	3408	22 22.7
	12	21 43 37.30	14.91	15 13 43.5	1 15.4	0.949 5862	3539	22 18.5
	13	21 43 22.39	14.69	15 14 58.9	1 14.1	0.949 9401	3667	22 14.3
	14	21 43 7.70	14.46	15 16 13.0	1 12.7	0.950 3068	3793	22 10.2
	15	21 42 53.24	14.23	−15 17 25.7	1 11.3	0.950 6861	3919	22 6.0
	16	21 42 39.01	14.00	15 18 37.0	1 9.9	0.951 0780	4042	22 1.8
	17	21 42 25.01	13.74	15 19 46.9	1 8.4	0.951 4822	4162	21 57.6
	18	21 42 11.27	13.49	15 20 55.3	1 6.9	0.951 8984	4282	21 53.5
	19	21 41 57.78	13.23	15 22 2.2	1 5.4	0.952 3266	4398	21 49.3
	20	21 41 44.55	12.97	15 23 7.6	1 3.9	0.952 7664	4514	21 45.2
	21	21 41 31.58	12.69	−15 24 11.5	1 2.3	0.953 2178	4626	21 41.0
	22	21 41 18.89	12.42	15 25 13.8	1 0.7	0.953 6804	4738	21 36.9
	23	21 41 6.47	12.13	15 26 14.5	0 59.0	0.954 1542	4847	21 32.8
	24	21 40 54.34	11.84	15 27 13.5	0 57.5	0.954 6389	4955	21 28.7
	25	21 40 42.50	11.55	15 28 11.0	0 55.8	0.955 1344	5062	21 24.5
	26	21 40 30.95	11.24	15 29 6.8	0 54.1	0.955 6406	5166	21 20.4
	27	21 40 19.71	10.94	−15 30 0.9	0 52.4	0.956 1572	5268	21 16.3
	28	21 40 8.77	10.63	15 30 53.3	0 50.6	0.956 6840	5368	21 12.2
	29	21 39 58.14	10.30	15 31 43.9	0 48.9	0.957 2208	5466	21 8.1
	30	21 39 47.84	9.98	15 32 32.8	0 47.2	0.957 7674	5562	21 4.0
Okt.	1	21 39 37.86	9.65	15 33 20.0	0 45.3	0.958 3236	5655	20 59.9
	2	21 39 28.21	9.31	15 34 5.3	0 43.5	0.958 8891	5747	20 55.8
	3	21 39 18.90	8.97	−15 34 48.8	0 41.7	0.959 4638	5836	20 51.7
	4	21 39 9.93	8.63	15 35 30.5	0 39.8	0.960 0474	5923	20 47.6
	5	21 39 1.30	8.28	15 36 10.3	0 37.9	0.960 6397	6008	20 43.6
	6	21 38 53.02	7.92	15 36 48.2	0 36.1	0.961 2405	6090	20 39.5
	7	21 38 45.10	7.57	15 37 24.3	0 34.1	0.961 8495	6170	20 35.4
	8	21 38 37.53	7.20	15 37 58.4	0 32.2	0.962 4665	6248	20 31.4
	9	21 38 30.33	6.83	−15 38 30.6	0 30.3	0.963 0913	6322	20 27.3
	10	21 38 23.50	6.46	15 39 0.9	0 28.4	0.963 7235	6394	20 23.3
	11	21 38 17.04	6.08	15 39 29.3	0 26.3	0.964 3629	6464	20 19.3
	12	21 38 10.96	5.71	15 39 55.6	0 24.3	0.965 0093	6531	20 15.2
	13	21 38 5.25	5.32	15 40 19.9	0 22.4	0.965 6624	6596	20 11.2
	14	21 37 59.93		−15 40 42.3		0.966 3220		20 7.2

Tag	Scheinbare Rektaszension (0ʰ Welt-Zeit)	Diff.	Scheinbare Deklination (0ʰ Welt-Zeit)	Diff.	log Δ (0ʰ Welt-Zeit)	Diff.	Obere Kulmination in Greenwich
1934	h m s	s	° ′ ″	″			h m
Okt. 14	21 37 59.93	4.94	−15 40 42.3	20.4	0.966 3220	6657	20 7.2
15	21 37 54.99	4.55	15 41 2.7	18.4	0.966 9877	6717	20 3.2
16	21 37 50.44	4.16	15 41 21.1	16.3	0.967 6594	6774	19 59.2
17	21 37 46.28	3.77	15 41 37.4	14.4	0.968 3368	6828	19 55.2
18	21 37 42.51	3.38	15 41 51.8	12.4	0.969 0196	6879	19 51.2
19	21 37 39.13	2.98	15 42 4.2	10.3	0.969 7075	6929	19 47.2
20	21 37 36.15	2.59	−15 42 14.5	8.4	0.970 4004	6976	19 43.3
21	21 37 33.56	2.19	15 42 22.9	6.3	0.971 0980	7020	19 39.3
22	21 37 31.37	1.80	15 42 29.2	4.3	0.971 8000	7063	19 35.3
23	21 37 29.57	1.40	15 42 33.5	2.3	0.972 5063	7102	19 31.4
24	21 37 28.17	1.00	15 42 35.8	0.2	0.973 2165	7140	19 27.4
25	21 37 27.17	0.60	15 42 36.0	1.7	0.973 9305	7175	19 23.5
26	21 37 26.57	0.19	−15 42 34.3	3.8	0.974 6480	7209	19 19.5
27	21 37 26.38	0.21	15 42 30.5	5.9	0.975 3689	7240	19 15.6
28	21 37 26.59	0.60	15 42 24.6	7.8	0.976 0929	7269	19 11.7
29	21 37 27.19	1.02	15 42 16.8	9.9	0.976 8198	7295	19 7.8
30	21 37 28.21	1.42	15 42 6.9	11.9	0.977 5493	7319	19 3.9
31	21 37 29.63	1.83	15 41 55.0	13.9	0.978 2812	7341	19 0.0
Nov. 1	21 37 31.46	2.23	−15 41 41.1	16.0	0.979 0153	7360	18 56.1
2	21 37 33.69	2.64	15 41 25.1	17.9	0.979 7513	7376	18 52.2
3	21 37 36.33	3.05	15 41 7.2	20.0	0.980 4889	7391	18 48.3
4	21 37 39.38	3.45	15 40 47.2	22.1	0.981 2280	7403	18 44.4
5	21 37 42.83	3.85	15 40 25.1	24.1	0.981 9683	7413	18 40.5
6	21 37 46.68	4.26	15 40 1.0	26.1	0.982 7096	7420	18 36.7
7	21 37 50.94	4.67	−15 39 34.9	28.2	0.983 4516	7425	18 32.8
8	21 37 55.61	5.07	15 39 6.7	30.1	0.984 1941	7426	18 29.0
9	21 38 0.68	5.47	15 38 36.6	32.2	0.984 9367	7426	18 25.2
10	21 38 6.15	5.88	15 38 4.4	34.1	0.985 6793	7424	18 21.3
11	21 38 12.03	6.27	15 37 30.3	36.1	0.986 4217	7419	18 17.5
12	21 38 18.30	6.68	15 36 54.2	38.1	0.987 1636	7412	18 13.6
13	21 38 24.98	7.07	−15 36 16.1	40.0	0.987 9048	7404	18 9.8
14	21 38 32.05	7.46	15 35 36.1	42.0	0.988 6452	7393	18 6.0
15	21 38 39.51	7.85	15 34 54.1	44.0	0.989 3845	7379	18 2.2
16	21 38 47.36	8.24	15 34 10.1	45.9	0.990 1224	7363	17 58.4
17	21 38 55.60	8.62	15 33 24.2	47.8	0.990 8587	7346	17 54.6
18	21 39 4.22	9.01	15 32 36.4	49.8	0.991 5933	7326	17 50.8
19	21 39 13.23	9.39	−15 31 46.6	51.6	0.992 3259	7305	17 47.1
20	21 39 22.62	9.77	15 30 55.0	53.5	0.993 0564	7282	17 43.3
21	21 39 32.39	10.15	15 30 1.5	55.3	0.993 7846	7256	17 39.6
22	21 39 42.54	10.52	15 29 6.2	57.2	0.994 5102	7230	17 35.8
23	21 39 53.06	10.89	15 28 9.0	59.1	0.995 2332	7202	17 32.1
24	21 40 3.95		−15 27 9.9		0.995 9534		17 28.3

Tag		0ʰ Welt-Zeit						Obere Kulmination in Greenwich
		Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1934		h m s	s	° ′ ″	′ ″			h m
Nov.	24	21 40 3.95	11.25	−15 27 9.9	1 0.9	0.995 9534	7171	17 28.3
	25	21 40 15.20	11.63	15 26 9.0	1 2.7	0.996 6705	7139	17 24.5
	26	21 40 26.83	11.98	15 25 6.3	1 4.6	0.997 3844	7105	17 20.8
	27	21 40 38.81	12.35	15 24 1.7	1 6.3	0.998 0949	7070	17 17.1
	28	21 40 51.16	12.71	15 22 55.4	1 8.2	0.998 8019	7032	17 13.3
	29	21 41 3.87	13.06	15 21 47.2	1 10.0	0.999 5051	6993	17 9.6
	30	21 41 16.93	13.42	−15 20 37.2	1 11.7	1.000 2044	6952	17 5.9
Dez.	1	21 41 30.35	13.77	15 19 25.5	1 13.5	1.000 8996	6910	17 2.2
	2	21 41 44.12	14.11	15 18 12.0	1 15.2	1.001 5906	6865	16 58.5
	3	21 41 58.23	14.46	15 16 56.8	1 17.0	1.002 2771	6819	16 54.8
	4	21 42 12.69	14.79	15 15 39.8	1 18.8	1.002 9590	6771	16 51.1
	5	21 42 27.48	15.14	15 14 21.0	1 20.4	1.003 6361	6721	16 47.5
	6	21 42 42.62	15.47	−15 13 0.6	1 22.1	1.004 3082	6669	16 43.8
	7	21 42 58.09	15.80	15 11 38.5	1 23.8	1.004 9751	6617	16 40.1
	8	21 43 13.89	16.12	15 10 14.7	1 25.4	1.005 6368	6561	16 36.4
	9	21 43 30.01	16.45	15 8 49.3	1 27.1	1.006 2929	6504	16 32.8
	10	21 43 46.46	16.76	15 7 22.2	1 28.8	1.006 9433	6446	16 29.1
	11	21 44 3.22	17.08	15 5 53.4	1 30.3	1.007 5879	6386	16 25.5
	12	21 44 20.30	17.38	−15 4 23.1	1 31.9	1.008 2265	6325	16 21.8
	13	21 44 37.68	17.69	15 2 51.2	1 33.5	1.008 8590	6263	16 18.2
	14	21 44 55.37	17.99	15 1 17.7	1 35.0	1.009 4853	6199	16 14.6
	15	21 45 13.36	18.28	14 59 42.7	1 36.6	1.010 1052	6134	16 10.9
	16	21 45 31.64	18.57	14 58 6.1	1 38.0	1.010 7186	6067	16 7.3
	17	21 45 50.21	18.86	14 56 28.1	1 39.6	1.011 3253	6000	16 3.7
	18	21 46 9.07	19.15	−14 54 48.5	1 41.0	1.011 9253	5932	16 0.1
	19	21 46 28.22	19.42	14 53 7.5	1 42.5	1.012 5185	5861	15 56.4
	20	21 46 47.64	19.70	14 51 25.0	1 43.9	1.013 1046	5791	15 52.8
	21	21 47 7.34	19.97	14 49 41.1	1 45.3	1.013 6837	5720	15 49.2
	22	21 47 27.31	20.23	14 47 55.8	1 46.7	1.014 2557	5646	15 45.6
	23	21 47 47.54	20.49	14 46 9.1	1 48.1	1.014 8203	5573	15 42.0
	24	21 48 8.03	20.75	−14 44 21.0	1 49.5	1.015 3776	5499	15 38.4
	25	21 48 28.78	21.00	14 42 31.5	1 50.8	1.015 9275	5422	15 34.9
	26	21 48 49.78	21.26	14 40 40.7	1 52.2	1.016 4697	5345	15 31.3
	27	21 49 11.04	21.50	14 38 48.5	1 53.4	1.017 0042	5266	15 27.7
	28	21 49 32.54	21.74	14 36 55.1	1 54.8	1.017 5308	5187	15 24.1
	29	21 49 54.28	21.98	14 35 0.3	1 56.1	1.018 0495	5106	15 20.6
	30	21 50 16.26	22.22	−14 33 4.2	1 57.3	1.018 5601	5026	15 17.0
	31	21 50 38.48	22.44	14 31 6.9	1 58.6	1.019 0627	4943	15 13.4
	32	21 51 0.92		−14 29 8.3		1.019 5570		15 9.9

Tag		0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1934		h m s	s	° ′ ″	′ ″			h m
Jan.	−1	1 27 43.89	1.10	+ 8 34 50.8	0 2.6	1.292 5966	1 4768	18 52.7
	+3	1 27 42.79	2.02	8 34 53.4	0 21.3	1.294 0734	1 4931	18 37.0
	7	1 27 44.81	5.17	8 35 14.7	0 39.7	1.295 5665	1 5022	18 21.3
	11	1 27 49.98	8.30	8 35 54.4	0 58.2	1.297 0687	1 5037	18 5.7
	15	1 27 58.28	11.44	8 36 52.6	1 16.5	1.298 5724	1 4975	17 50.1
	19	1 28 9.72	14.51	8 38 9.1	1 34.5	1.300 0699	1 4835	17 34.5
	23	1 28 24.23	17.52	+ 8 39 43.6	1 51.9	1.301 5534	1 4626	17 19.0
	27	1 28 41.75	20.45	8 41 35.5	2 9.0	1.303 0160	1 4350	17 3.6
	31	1 29 2.20	23.31	8 43 44.5	2 25.3	1.304 4510	1 4017	16 48.2
Febr.	4	1 29 25.51	26.07	8 46 9.8	2 41.3	1.305 8527	1 3621	16 32.9
	8	1 29 51.58	28.74	8 48 51.1	2 56.5	1.307 2148	1 3175	16 17.6
	12	1 30 20.32	31.31	8 51 47.6	3 11.1	1.308 5323	1 2661	16 2.4
	16	1 30 51.63	33.75	+ 8 54 58.7	3 24.8	1.309 7984	1 2097	15 47.2
	20	1 31 25.38	36.06	8 58 23.5	3 37.6	1.311 0081	1 1476	15 32.0
	24	1 32 1.44	38.20	9 2 1.1	3 49.4	1.312 1557	1 0831	15 16.9
	28	1 32 39.64	40.21	9 5 50.5	4 0.4	1.313 2388	1 0134	15 1.8
März	4	1 33 19.85	42.10	9 9 50.9	4 10.7	1.314 2522	9406	14 46.7
	8	1 34 1.95	43.82	9 14 1.6	4 19.8	1.315 1928	8650	14 31.7
	12	1 34 45.77	45.41	+ 9 18 21.4	4 28.2	1.316 0578	7857	14 16.7
	16	1 35 31.18	46.83	9 22 49.6	4 35.4	1.316 8435	7031	14 1.7
	20	1 36 18.01	48.06	9 27 25.0	4 41.5	1.317 5466	6180	13 46.8
	24	1 37 6.07	49.15	9 32 6.5	4 46.8	1.318 1646	5320	13 31.9
	28	1 37 55.22	50.05	9 36 53.3	4 50.9	1.318 6966	4446	13 17.0
April	1	1 38 45.27	50.80	9 41 44.2	4 54.2	1.319 1412	3561	13 2.1
	5	1 39 36.07	51.40	+ 9 46 38.4	4 56.6	1.319 4973	2663	12 47.2
	9	1 40 27.47	51.84	9 51 35.0	4 57.9	1.319 7636	1758	12 32.3
	13	1 41 19.31	52.10	9 56 32.9	4 58.4	1.319 9394	842	12 17.5
	17	1 42 11.41	52.17	10 1 31.3	4 57.5	1.320 0236	68	12 2.6
	21	1 43 3.58	52.08	10 6 28.8	4 56.0	1.320 0168	975	11 47.7
	25	1 43 55.66	51.83	10 11 24.8	4 53.4	1.319 9193	1875	11 32.8
	29	1 44 47.49	51.42	+10 16 18.2	4 49.9	1.319 7318	2760	11 18.0
Mai	3	1 45 38.91	50.86	10 21 8.1	4 45.9	1.319 4558	3638	11 3.1
	7	1 46 29.77	50.15	10 25 54.0	4 40.7	1.319 0920	4506	10 48.2
	11	1 47 19.92	49.27	10 30 34.7	4 34.7	1.318 6414	5360	10 33.3
	15	1 48 9.19	48.21	10 35 9.4	4 27.8	1.318 1054	6191	10 18.4
	19	1 48 57.40	47.00	10 39 37.2	4 19.9	1.317 4863	6998	10 3.5
	23	1 49 44.40	45.66	+10 43 57.1	4 11.6	1.316 7865	7777	9 48.5
	27	1 50 30.06	44.17	10 48 8.7	4 2.4	1.316 0088	8529	9 33.6
	31	1 51 14.23	42.53	10 52 11.1	3 52.6	1.315 1559	9246	9 18.6
Juni	4	1 51 56.76	40.78	10 56 3.7	3 42.1	1.314 2313	9942	9 3.5
	8	1 52 37.54	38.87	10 59 45.8	3 30.8	1.313 2371	1 0602	8 48.5
	12	1 53 16.41		+11 3 16.6		1.312 1769		8 33.4

Tag		0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1934		h m s	s	° ′ ″	′ ″			h m
Juni	12	1 53 16.41	36.83	+11 3 16.6	3 18.8	1.312 1769	1 1222	8 33.4
	16	1 53 53.24	34.65	11 6 35.4	3 6.2	1.311 0547	1 1798	8 18.3
	20	1 54 27.89	32.36	11 9 41.6	2 53.2	1.309 8749	1 2326	8 3.1
	24	1 55 0.25	29.98	11 12 34.8	2 39.5	1.308 6423	1 2810	7 47.9
	28	1 55 30.23	27.50	11 15 14.3	2 25.4	1.307 3613	1 3243	7 32.7
Juli	2	1 55 57.73	24.91	11 17 39.7	2 11.2	1.306 0370	1 3637	7 17.4
	6	1 56 22.64	22.23	+11 19 50.9	1 56.1	1.304 6733	1 3977	7 2.1
	10	1 56 44.87	19.46	11 21 47.0	1 40.6	1.303 2756	1 4255	6 46.7
	14	1 57 4.33	16.60	11 23 27.6	1 25.1	1.301 8501	1 4476	6 31.3
	18	1 57 20.93	13.70	11 24 52.7	1 9.1	1.300 4025	1 4632	6 15.9
	22	1 57 34.63	10.78	11 26 1.8	0 52.9	1.298 9393	1 4723	6 0.4
	26	1 57 45.41	7.80	11 26 54.7	0 36.9	1.297 4670	1 4760	5 44.8
	30	1 57 53.21	4.82	+11 27 31.6	0 20.6	1.295 9910	1 4731	5 29.2
Aug.	3	1 57 58.03	1.79	11 27 52.2	0 4.3	1.294 5179	1 4637	5 13.6
	7	1 57 59.82	1.24	11 27 56.5	0 12.1	1.293 0542	1 4475	4 57.9
	11	1 57 58.58	4.27	11 27 44.4	0 28.5	1.291 6067	1 4239	4 42.1
	15	1 57 54.31	7.22	11 27 15.9	0 44.4	1.290 1828	1 3926	4 26.3
	19	1 57 47.09	10.15	11 26 31.5	1 0.1	1.288 7902	1 3546	4 10.5
	23	1 57 36.94	12.98	+11 25 31.4	1 15.3	1.287 4356	1 3104	3 54.6
	27	1 57 23.96	15.75	11 24 16.1	1 30.2	1.286 1252	1 2597	3 38.6
	31	1 57 8.21	18.43	11 22 45.9	1 44.7	1.284 8655	1 2021	3 22.6
Sept.	4	1 56 49.78	21.01	11 21 1.2	1 58.5	1.283 6634	1 1374	3 6.6
	8	1 56 28.77	23.47	11 19 2.7	2 11.6	1.282 5260	1 0662	2 50.5
	12	1 56 5.30	25.77	11 16 51.1	2 24.0	1.281 4598	9883	2 34.4
	16	1 55 39.53	27.86	+11 14 27.1	2 35.4	1.280 4715	9051	2 18.3
	20	1 55 11.67	29.82	11 11 51.7	2 45.6	1.279 5664	8166	2 2.1
	24	1 54 41.85	31.55	11 9 6.1	2 55.2	1.278 7498	7235	1 45.8
	28	1 54 10.30	33.12	11 6 10.9	3 3.5	1.278 0263	6257	1 29.6
Okt.	2	1 53 37.18	34.45	11 3 7.4	3 10.7	1.277 4006	5239	1 13.3
	6	1 53 2.73	35.58	10 59 56.7	3 16.6	1.276 8767	4177	0 57.0
	10	1 52 27.15	36.43	+10 56 40.1	3 21.1	1.276 4590	3086	0 40.7
	14	1 51 50.72	37.03	10 53 19.0	3 24.3	1.276 1504	1976	0 24.4
	18	1 51 13.69	37.37	10 49 54.7	3 26.0	1.275 9528	855	0 8.0
	22	1 50 36.32	37.47	10 46 28.7	3 26.3	1.275 8673	270	23 47.6
	26	1 49 58.85	37.32	10 43 2.4	3 25.4	1.275 8943	1400	23 31.2
	30	1 49 21.53	36.92	10 39 37.0	3 22.9	1.276 0343	2530	23 14.9
Nov.	3	1 48 44.61	36.26	+10 36 14.1	3 19.0	1.276 2873	3648	22 58.6
	7	1 48 8.35	35.31	10 32 55.1	3 13.5	1.276 6521	4747	22 42.2
	11	1 47 33.04	34.13	10 29 41.6	3 6.6	1.277 1268	5817	22 25.9
	15	1 46 58.91	32.70	10 26 35.0	2 58.5	1.277 7085	6846	22 9.7
	19	1 46 26.21	31.06	10 23 36.5	2 48.9	1.278 3931	7835	21 53.4
	23	1 45 55.15		+10 20 47.6		1.279 1766		21 37.2

Tag	0ʰ Welt-Zeit						Obere Kulmination in Greenwich
	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1934	h m s	s	° ′ ″	′ ″			h m
Nov. 23	1 45 55.15		+10 20 47.6		1.279 1766		21 37.2
		29.20		2 38.4		8778	
27	1 45 25.95		10 18 9.2		1.280 0544		21 20.9
		27.15		2 26.5		9676	
Dez. 1	1 44 58.80		10 15 42.7		1.281 0220		21 4.8
		24.90		2 13.7		1 0518	
5	1 44 33.90		10 13 29.0		1.282 0738		20 48.6
		22.47		1 59.6		1 1297	
9	1 44 11.43		10 11 29.4		1.283 2035		20 32.6
		19.87		1 44.7		1 2009	
13	1 43 51.56		10 9 44.7		1.284 4044		20 16.5
		17.13		1 29.1		1 2647	
17	1 43 34.43		+10 8 15.6		1.285 6691		20 0.5
		14.29		1 12.8		1 3209	
21	1 43 20.14		10 7 2.8		1.286 9900		19 44.6
		11.35		0 56.0		1 3701	
25	1 43 8.79		10 6 6.8		1.288 3601		19 28.7
		8.34		0 38.7		1 4123	
29	1 43 0.45		10 5 28.1		1.289 7724		19 12.8
		5.25		0 21.0		1 4467	
33	1 42 55.20		+10 5 7.1		1.291 2191		18 57.0

Tag	0ʰ Welt-Zeit						Obere Kulmination in Greenwich
	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1934	h m s	s	° ′ ″	′ ″			h m
Jan. — 1	10 56 11.48	8.23	+7 45 41.1	1 0.4	1.473 4477	8985	4 23.5
+ 3	10 56 3.25	10.10	7 46 41.5	1 11.7	1.472 5492	8657	4 7.7
7	10 55 53.15	11.94	7 47 53.2	1 22.6	1.471 6835	8272	3 51.8
11	10 55 41.21	13.67	7 49 15.8	1 33.0	1.470 8563	7843	3 35.8
15	10 55 27.54	15.33	7 50 48.8	1 42.8	1.470 0720	7366	3 19.9
19	10 55 12.21	16.88	7 52 31.6	1 51.9	1.469 3354	6849	3 3.9
23	10 54 55.33	18.30	+7 54 23.5	2 0.0	1.468 6505	6298	2 47.9
27	10 54 37.03	19.61	7 56 23.5	2 7.5	1.468 0207	5706	2 31.9
31	10 54 17.42	20.78	7 58 31.0	2 14.2	1.467 4501	5089	2 15.8
Febr. 4	10 53 56.64	21.83	8 0 45.2	2 20.1	1.466 9412	4447	1 59.7
8	10 53 34.81	22.74	8 3 5.3	2 25.1	1.466 4965	3773	1 43.7
12	10 53 12.07	23.51	8 5 30.4	2 29.0	1.466 1192	3080	1 27.5
16	10 52 48.56	24.10	+8 7 59.4	2 32.0	1.465 8112	2366	1 11.4
20	10 52 24.46	24.55	8 10 31.4	2 34.0	1.465 5746	1643	0 55.3
24	10 51 59.91	24.80	8 13 5.4	2 34.9	1.465 4103	915	0 39.2
28	10 51 35.11	24.94	8 15 40.3	2 34.8	1.465 3188	188	0 23.0
März 4	10 51 10.17	24.88	8 18 15.1	2 34.1	1.465 3000	539	0 6.9
8	10 50 45.29	24.71	8 20 49.2	2 32.1	1.465 3539	1268	23 46.7
12	10 50 20.58	24.35	+8 23 21.3	2 29.3	1.465 4807	1984	23 30.6
16	10 49 56.23	23.84	8 25 50.6	2 25.3	1.465 6791	2693	23 14.5
20	10 49 32.39	23.16	8 28 15.9	2 20.7	1.465 9484	3378	22 58.3
24	10 49 9.23	22.35	8 30 36.6	2 15.0	1.466 2862	4041	22 42.2
28	10 48 46.88	21.40	8 32 51.6	2 8.6	1.466 6903	4673	22 26.1
April 1	10 48 25.48	20.33	8 35 0.2	2 1.6	1.467 1576	5281	22 10.1
5	10 48 5.15	19.13	+8 37 1.8	1 53.8	1.467 6857	5865	21 54.0
9	10 47 46.02	17.83	8 38 55.6	1 45.3	1.468 2722	6411	21 38.0
13	10 47 28.19	16.40	8 40 40.9	1 36.2	1.468 9133	6923	21 21.9
17	10 47 11.79	14.86	8 42 17.1	1 26.5	1.469 6056	7393	21 6.0
21	10 46 56.93	13.24	8 43 43.6	1 16.2	1.470 3449	7825	20 50.0
25	10 46 43.69	11.56	8 44 59.8	1 5.6	1.471 1274	8208	20 34.0
29	10 46 32.13	9.81	+8 46 5.4	0 54.9	1.471 9482	8550	20 18.1
Mai 3	10 46 22.32	8.01	8 47 0.3	0 43.6	1.472 8032	8855	20 2.2
7	10 46 14.31	6.14	8 47 43.9	0 32.3	1.473 6887	9114	19 46.4
11	10 46 8.17	4.24	8 48 16.2	0 20.5	1.474 6001	9329	19 30.6
15	10 46 3.93	2.31	8 48 36.7	0 8.6	1.475 5330	9495	19 14.8
19	10 46 1.62	0.36	8 48 45.3	0 3.1	1.476 4825	9613	18 59.0
23	10 46 1.26	1.61	+8 48 42.2	0 15.1	1.477 4438	9685	18 43.3
27	10 46 2.87	3.55	8 48 27.1	0 26.9	1.478 4123	9713	18 27.6
31	10 46 6.42	5.49	8 48 0.2	0 38.4	1.479 3836	9704	18 11.9
Juni 4	10 46 11.91	7.41	8 47 21.8	0 50.2	1.480 3540	9649	17 56.3
8	10 46 19.32	9.33	8 46 31.6	1 1.6	1.481 3189	9554	17 40.7
12	10 46 28.65		+8 45 30.0		1.482 2743		17 25.1

Neptun 1934

Tag		0ʰ Welt-Zeit						Obere Kulmination in Greenwich
		Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1934		h m s	s	° ′ ″	′ ″			h m
Juni	12	10 46 28.65	11.21	+8 45 30.0	1 13.0	1.482 2743	9415	17 25.1
	16	10 46 39.86	13.04	8 44 17.0	1 23.9	1.483 2158	9231	17 9.6
	20	10 46 52.90	14.83	8 42 53.1	1 34.6	1.484 1389	9010	16 54.1
	24	10 47 7.73	16.55	8 41 18.5	1 44.9	1.485 0399	8756	16 38.6
	28	10 47 24.28	18.23	8 39 33.6	1 54.7	1.485 9155	8465	16 23.2
Juli	2	10 47 42.51	19.81	8 37 38.9	2 4.1	1.486 7620	8146	16 7.7
	6	10 48 2.32	21.36	+8 35 34.8	2 13.5	1.487 5766	7788	15 52.4
	10	10 48 23.68	22.84	8 33 21.3	2 22.1	1.488 3554	7399	15 37.0
	14	10 48 46.52	24.22	8 30 59.2	2 30.4	1.489 0953	6981	15 21.6
	18	10 49 10.74	25.51	8 28 28.8	2 37.9	1.489 7934	6531	15 6.3
	22	10 49 36.25	26.71	8 25 50.9	2 45.0	1.490 4465	6063	14 51.0
	26	10 50 2.96	27.81	8 23 5.9	2 51.4	1.491 0528	5573	14 35.7
	30	10 50 30.77	28.84	+8 20 14.5	2 57.4	1.491 6101	5059	14 20.5
Aug.	3	10 50 59.61	29.76	8 17 17.1	3 2.8	1.492 1160	4528	14 5.2
	7	10 51 29.37	30.60	8 14 14.3	3 7.7	1.492 5688	3972	13 50.0
	11	10 51 59.97	31.31	8 11 6.6	3 11.8	1.492 9660	3402	13 34.8
	15	10 52 31.28	31.91	8 7 54.8	3 15.1	1.493 3062	2818	13 19.6
	19	10 53 3.19	32.39	8 4 39.7	3 17.8	1.493 5880	2224	13 4.4
	23	10 53 35.58	32.80	+8 1 21.9	3 19.9	1.493 8104	1623	12 49.2
	27	10 54 8.38	33.06	7 58 2.0	3 21.3	1.493 9727	1016	12 34.0
	31	10 54 41.44	33.23	7 54 40.7	3 22.2	1.494 0743	401	12 18.8
Sept.	4	10 55 14.67	33.30	7 51 18.5	3 22.1	1.494 1144	221	12 3.6
	8	10 55 47.97	33.23	7 47 56.4	3 21.5	1.494 0923	842	11 48.5
	12	10 56 21.20	33.05	7 44 34.9	3 20.1	1.494 0081	1468	11 33.3
	16	10 56 54.25	32.73	+7 41 14.8	3 17.9	1.493 8613	2081	11 18.1
	20	10 57 26.98	32.32	7 37 56.9	3 14.9	1.493 6532	2686	11 2.9
	24	10 57 59.30	31.79	7 34 42.0	3 11.4	1.493 3846	3286	10 47.7
	28	10 58 31.09	31.18	7 31 30.6	3 7.2	1.493 0560	3876	10 32.5
Okt.	2	10 59 2.27	30.42	7 28 23.4	3 2.4	1.492 6684	4456	10 17.3
	6	10 59 32.69	29.55	7 25 21.0	2 56.6	1.492 2228	5021	10 2.1
	10	11 0 2.24	28.57	+7 22 24.4	2 50.2	1.491 7207	5570	9 46.9
	14	11 0 30.81	27.47	7 19 34.2	2 43.1	1.491 1637	6092	9 31.6
	18	11 0 58.28	26.29	7 16 51.1	2 35.5	1.490 5545	6588	9 16.3
	22	11 1 24.57	25.00	7 14 15.6	2 27.1	1.489 8957	7063	9 1.0
	26	11 1 49.57	23.63	7 11 48.5	2 18.4	1.489 1894	7511	8 45.7
	30	11 2 13.20	22.16	7 9 30.1	2 8.9	1.488 4383	7933	8 30.4
Nov.	3	11 2 35.36	20.57	+7 7 21.2	1 58.9	1.487 6450	8322	8 15.0
	7	11 2 55.93	18.93	7 5 22.3	1 48.3	1.486 8128	8673	7 59.6
	11	11 3 14.86	17.19	7 3 34.0	1 37.2	1.485 9455	8984	7 44.2
	15	11 3 32.05	15.39	7 1 56.8	1 25.9	1.485 0471	9258	7 28.8
	19	11 3 47.44	13.54	7 0 30.9	1 14.1	1.484 1213	9487	7 13.3
	23	11 4 0.98		+6 59 16.8		1.483 1726		6 57.8

Tag	0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1934	h m s	s	° ′ ″	′ ″			h m
Nov. 23	11 4 0.98	11.64	+6 59 16.8	1 2.2	1.483 1726	9678	6 57.8
27	11 4 12.62	9.67	6 58 14.6	0 49.7	1.482 2048	9826	6 42.2
Dez. 1	11 4 22.29	7.68	6 57 24.9	0 37.1	1.481 2222	9929	6 26.7
5	11 4 29.97	5.64	6 56 47.8	0 24.5	1.480 2293	9982	6 11.1
9	11 4 35.61	3.59	6 56 23.3	0 11.6	1.479 2311	9981	5 55.4
13	11 4 39.20	1.53	6 56 11.7	0 1.4	1.478 2330	9931	5 39.8
17	11 4 40.73	0.52	+6 56 13.1	0 13.9	1.477 2399	9833	5 24.1
21	11 4 40.21	2.54	6 56 27.0	0 26.5	1.476 2566	9685	5 8.3
25	11 4 37.67	4.55	6 56 53.5	0 38.9	1.475 2881	9492	4 52.6
29	11 4 33.12	6.52	6 57 32.4	0 51.2	1.474 3389	9245	4 36.7
33	11 4 26.60		+6 58 23.6		1.473 4144		4 20.9

0h Welt-Zeit	Mittleres Äquinoktium 1925.0											
	X	d1	d2	ΔX*)	Y	d1	d2	ΔY*)	Z	d1	d2	ΔZ*)
1934												
Jan. 0	+0.149 597	+17255	−47	+1	−0.891 570	+2593	+277	+5	−0.386 701	+1124	+120	−1
1	0.166 852	17203	52	+1	0.888 977	2868	275	−1	0.385 577	1243	119	−2
2	0.184 055	17147	56	+5	0.886 109	3142	274	−3	0.384 334	1362	119	0
3	0.201 202	17085	62	+3	0.882 967	3417	275	+2	0.382 972	1481	119	+3
4	0.218 287	17018	67	+3	0.879 550	3689	272	−4	0.381 491	1600	119	+4
5	0.235 305	16946	72	+4	0.875 861	3961	272	−3	0.379 891	1717	117	−2
6	+0.252 251	+16870	−76	+5	−0.871 900	+4232	+271	−3	−0.378 174	+1835	+118	+1
7	0.269 121	16787	83	−3	0.867 668	4501	269	−4	0.376 339	1952	117	0
8	0.285 908	16699	88	−4	0.863 167	4771	270	+4	0.374 387	2069	117	0
9	0.302 607	16607	92	+1	0.858 396	5038	267	−1	0.372 318	2185	116	−2
10	0.319 214	16509	98	0	0.853 358	5304	266	−1	0.370 133	2300	115	−2
11	0.335 723	16406	103	0	0.848 054	5570	266	+3	0.367 833	2416	116	+3
12	+0.352 129	+16297	−109	−1	−0.842 484	+5832	+262	−4	−0.365 417	+2530	+114	−1
13	0.368 426	16183	114	+1	0.836 652	6095	263	+4	0.362 887	2644	114	+1
14	0.384 609	16063	120	+1	0.830 557	6354	259	−1	0.360 243	2757	113	−1
15	0.400 672	15939	124	+3	0.824 203	6613	259	+4	0.357 486	2868	111	−4
16	0.416 611	15808	131	−4	0.817 590	6868	255	−3	0.354 618	2980	112	+2
17	0.432 419	15672	136	−5	0.810 722	7121	253	−4	0.351 638	3089	109	−4
18	+0.448 091	+15531	−141	−3	−0.803 601	+7371	+250	−5	−0.348 549	+3198	+109	0
19	0.463 622	15386	145	0	0.796 230	7619	248	−1	0.345 351	3305	107	0
20	0.479 008	15235	151	−3	0.788 611	7864	245	+2	0.342 046	3412	107	+2
21	0.494 243	15080	155	0	0.780 747	8107	243	+5	0.338 634	3516	104	−3
22	0.509 323	14921	159	+1	0.772 640	8345	238	−2	0.335 118	3620	104	+1
23	0.524 244	14756	165	−4	0.764 295	8582	237	+4	0.331 498	3722	102	+1
24	+0.539 000	+14589	−167	+2	−0.755 713	+8815	+233	+2	−0.327 776	+3824	+102	+4
25	0.553 589	14416	173	−3	0.746 898	9046	231	+5	0.323 952	3923	99	−3
26	0.568 005	14239	177	−2	0.737 852	9273	227	+2	0.320 029	4022	99	−1
27	0.582 244	14060	179	+4	0.728 579	9498	225	+5	0.316 007	4119	97	−3
28	0.596 304	13874	186	−4	0.719 081	9719	221	+3	0.311 888	4215	96	−4
29	0.610 178	13686	188	+3	0.709 362	9938	219	+4	0.307 673	4309	94	−5
30	+0.623 864	+13494	−192	+4	−0.699 424	+10153	+215	−1	−0.303 364	+4403	+ 94	+1
31	0.637 358	13298	196	+3	0.689 271	10365	212	−1	0.298 961	4495	92	+1
Febr. 1	0.650 656	13097	201	−1	0.678 906	10575	210	+2	0.294 466	4586	91	+1
2	0.663 753	12894	203	+5	0.668 331	10780	205	−4	0.289 880	4675	89	−2
3	0.676 647	12687	207	+4	0.657 551	10983	203	+1	0.285 205	4763	88	0
4	0.689 334	12475	212	−2	0.646 568	11183	200	+5	0.280 442	4850	87	+3
5	+0.701 809	+12260	−215	0	−0.635 385	+11380	+197	+5	−0.275 592	+4936	+ 86	+4
6	0.714 069	12041	219	−1	0.624 005	11573	193	+1	0.270 656	5019	83	−2
7	0.726 110	11818	223	−1	0.612 432	11763	190	+1	0.265 637	5102	83	0
8	0.737 928	11592	226	+4	0.600 669	11949	186	−2	0.260 535	5183	81	−1
9	0.749 520	+11362	230	+5	0.588 720	+12132	183	−1	0.255 352	+5262	79	−1
10	+0.760 882		−234	+2	−0.576 588		+179	−1	−0.250 090		+ 79	+3

*) ΔX, ΔY, ΔZ sind in Einheiten der 7. Dezimale gegeben.

0h Welt-Zeit	Mittleres Äquinoktium 1925.0											
	X			ΔX*)	Y			ΔY*)	Z			ΔZ*)
1934												
Febr. 10	+0.760 882	+11 128	−234	+2	−0.576 588	+12 311	+179	−1	−0.250 090	+5 341	+79	+3
11	0.772 010	10 890	238	−2	0.564 277	12 486	175	−1	0.244 749	5 416	75	−4
12	0.782 900	10 648	242	−5	0.551 791	12 658	172	+3	0.239 333	5 491	75	−1
13	0.793 548	10 403	245	−2	0.539 133	12 824	166	−2	0.233 842	5 563	72	−5
14	0.803 951	10 155	248	0	0.526 309	12 987	163	+2	0.228 279	5 633	70	−4
15	0.814 106	9 903	252	−3	0.513 322	13 146	159	+4	0.222 646	5 702	69	+2
16	+0.824 009	+ 9 649	−254	−1	−0.500 176	+13 299	+153	−1	−0.216 944	+5 769	+67	+5
17	0.833 658	9 391	258	−4	0.486 877	13 448	149	+2	0.211 175	5 834	65	+3
18	0.843 049	9 131	260	−1	0.473 429	13 593	145	+4	0.205 341	5 896	62	−4
19	0.852 180	8 869	262	+3	0.459 836	13 733	140	+2	0.199 445	5 956	60	−5
20	0.861 049	8 605	264	+5	0.446 103	13 868	135	+1	0.193 489	6 015	59	0
21	0.869 654	8 338	267	+1	0.432 235	14 000	132	+4	0.187 474	6 072	57	+2
22	+0.877 992	+ 8 069	−269	−1	−0.418 235	+14 126	+126	−1	−0.181 402	+6 127	+55	0
23	0.886 061	7 798	271	−1	0.404 109	14 248	122	−1	0.175 275	6 179	52	−4
24	0.893 859	7 526	272	+2	0.389 861	14 366	118	0	0.169 096	6 231	52	0
25	0.901 385	7 251	275	−2	0.375 495	14 479	113	−1	0.162 865	6 279	48	−5
26	0.908 636	6 974	277	−3	0.361 016	14 588	109	+1	0.156 586	6 326	47	0
27	0.915 610	6 697	277	+4	0.346 428	14 693	105	+1	0.150 260	6 372	46	+5
28	+0.922 307	+ 6 418	−279	+2	−0.331 735	+14 792	+ 99	−4	−0.143 888	+6 416	+44	+4
März 1	0.928 725	6 136	282	−4	0.316 943	14 888	96	+1	0.137 472	6 457	41	−3
2	0.934 861	5 853	283	−2	0.302 055	14 980	92	+4	0.131 015	6 496	39	−3
3	0.940 714	5 570	283	+4	0.287 075	15 067	87	+1	0.124 519	6 535	39	+3
4	0.946 284	5 284	286	0	0.272 008	15 150	83	0	0.117 984	6 570	35	−3
5	0.951 568	4 997	287	0	0.256 858	15 228	78	−2	0.111 414	6 605	35	+3
6	+0.956 565	+ 4 709	−288	0	−0.241 630	+15 303	+ 75	0	−0.104 809	+6 637	+32	+1
7	0.961 274	4 418	291	−4	0.226 327	15 372	69	−5	0.098 172	6 668	31	+2
8	0.965 692	4 127	291	+1	0.210 955	15 437	65	−3	0.091 504	6 696	28	−2
9	0.969 819	3 834	293	+1	0.195 518	15 498	61	+1	0.084 808	6 722	26	−3
10	0.973 653	3 540	294	+2	0.180 020	15 554	56	+1	0.078 086	6 747	25	+1
11	0.977 193	3 245	295	+2	0.164 466	15 605	51	+1	0.071 339	6 769	22	−1
12	+0.980 438	+ 2 948	−297	−3	−0.148 861	+15 652	+ 47	+3	−0.064 570	+6 789	+20	+1
13	0.983 386	2 650	298	−3	0.133 209	15 692	40	−3	0.057 781	6 807	18	+2
14	0.986 036	2 352	298	+1	0.117 517	15 729	37	+3	0.050 974	6 823	16	+3
15	0.988 388	2 053	299	0	0.101 788	15 760	31	0	0.044 151	6 836	13	0
16	0.990 441	1 754	299	0	0.086 028	15 785	25	−4	0.037 315	6 847	11	0
17	0.992 195	1 454	300	−4	0.070 243	15 807	22	+2	0.030 468	6 856	9	+2
18	+0.993 649	+ 1 154	−300	−3	−0.054 436	+15 822	+ 15	−4	−0.023 612	+6 863	+ 7	+3
19	0.994 803	855	299	+1	0.038 614	15 833	11	−2	0.016 749	6 867	4	0
20	0.995 658	556	299	+1	0.022 781	15 838	5	−5	0.009 882	6 869	2	+1
21	0.996 214	+ 257	299	+1	−0.006 943	15 839	+ 1	−1	−0.003 013	6 870	+ 1	+5
22	0.996 471	− 41	298	+4	+0.008 896	+15 835	− 4	0	+0.003 857	+6 868	− 2	+3
23	+0.996 430		−297	+4	+0.024 731		− 8	+2	+0.010 725		− 4	+2

*) ΔX, ΔY, ΔZ sind in Einheiten der 7. Dezimale gegeben.

0^h Welt-Zeit	Mittleres Äquinoktium 1925.0											
	X			$\varDelta X$*)	Y			$\varDelta Y$*)	Z			$\varDelta Z$*)
1934												
März 23	+0.996 430	− 338	−297	+4	+0.024 731	+15 827	− 8	+2	+0.010 725	+6 864	− 4	+2
24	0.996 092	636	298	−3	0.040 558	15 813	14	−1	0.017 589	6 858	6	+1
25	0.995 456	932	296	0	0.056 371	15 795	18	+1	0.024 447	6 850	8	+2
26	0.994 524	1 228	296	−2	0.072 166	15 773	22	+3	0.031 297	6 841	9	+4
27	0.993 296	1 522	294	+2	0.087 939	15 745	28	−1	0.038 138	6 828	13	−2
28	0.991 774	1 816	294	0	0.103 684	15 714	31	+4	0.044 966	6 815	13	+4
29	+0.989 958	− 2 109	−293	0	+0.119 398	+15 678	− 36	+3	+0.051 781	+6 800	−15	+3
30	0.987 849	2 400	291	+3	0.135 076	15 638	40	+3	0.058 581	6 782	18	−3
31	0.985 449	2 692	292	−2	0.150 714	15 593	45	0	0.065 363	6 763	19	−2
April 1	0.982 757	2 981	289	+5	0.166 307	15 545	48	+2	0.072 126	6 742	21	−3
2	0.979 776	3 270	289	+3	0.181 852	15 491	54	−4	0.078 868	6 719	23	−5
3	0.976 506	3 558	288	+3	0.197 343	15 434	57	0	0.085 587	6 694	25	−4
4	+0.972 948	− 3 845	−287	+4	+0.212 777	+15 373	− 61	+1	+0.092 281	+6 668	−26	0
5	0.969 103	4 130	285	+5	0.228 150	15 307	66	−3	0.098 949	6 639	29	−1
6	0.964 973	4 416	286	−3	0.243 457	15 236	71	−5	0.105 588	6 609	30	+3
7	0.960 557	4 700	284	−1	0.258 693	15 161	75	−1	0.112 197	6 577	32	+4
8	0.955 857	4 982	282	+3	0.273 854	15 083	78	+4	0.118 774	6 542	35	+1
9	0.950 875	5 263	281	+3	0.288 937	14 998	85	−4	0.125 316	6 506	36	+5
10	+0.945 612	− 5 543	−280	+1	+0.303 935	+14 910	− 88	+1	+0.131 822	+6 468	−38	+4
11	0.940 069	5 821	278	+1	0.318 845	14 817	93	+1	0.138 290	6 427	41	0
12	0.934 248	6 096	275	+3	0.333 662	14 719	98	−3	0.144 717	6 385	42	+2
13	0.928 152	6 371	275	−5	0.348 381	14 616	103	−5	0.151 102	6 340	45	−3
14	0.921 781	6 643	272	−4	0.362 997	14 509	107	−1	0.157 442	6 293	47	−4
15	0.915 138	6 912	269	−1	0.377 506	14 398	111	+3	0.163 735	6 245	48	+1
16	+0.908 226	− 7 179	−267	−1	+0.391 904	+14 283	−115	+4	+0.169 980	+6 195	−50	+1
17	0.901 047	7 443	264	0	0.406 187	14 162	121	−4	0.176 175	6 142	53	−4
18	0.893 604	7 705	262	−2	0.420 349	14 038	124	−1	0.182 317	6 088	54	−2
19	0.885 899	7 963	258	+3	0.434 387	13 910	128	+2	0.188 405	6 033	55	+3
20	0.877 936	8 219	256	0	0.448 297	13 778	132	+2	0.194 438	5 976	57	+2
21	0.869 717	8 472	253	−1	0.462 075	13 642	136	+1	0.200 414	5 916	60	−4
22	+0.861 245	− 8 723	−251	−3	+0.475 717	+13 502	−140	+1	+0.206 330	+5 856	−60	0
23	0.852 522	8 969	246	+3	0.489 219	13 359	143	+5	0.212 186	5 793	63	−3
24	0.843 553	9 213	244	−1	0.502 578	13 212	147	+4	0.217 979	5 730	63	+2
25	0.834 340	9 455	242	−3	0.515 790	13 062	150	+4	0.223 709	5 665	65	0
26	0.824 885	9 692	237	+4	0.528 852	12 908	154	−1	0.229 374	5 598	67	−4
27	0.815 193	9 927	235	+1	0.541 760	12 750	158	−3	0.234 972	5 530	68	−4
28	+0.805 266	−10 159	−232	−1	+0.554 510	+12 591	−159	+3	+0.240 502	+5 460	−70	−3
29	0.795 107	10 388	229	+1	0.567 101	12 426	165	−4	0.245 962	5 390	70	+3
30	0.784 719	10 613	225	+3	0.579 527	12 261	165	+4	0.251 352	5 318	72	+1
Mai 1	0.774 106	10 837	224	−4	0.591 788	12 090	171	−4	0.256 670	5 244	74	−2
2	0.763 269	−11 057	220	0	0.603 878	+11 917	173	−1	0.261 914	+5 169	75	0
3	+0.752 212		−217	+3	+0.615 795		−176	+3	+0.267 083		−76	+3

*) $\varDelta X$, $\varDelta Y$, $\varDelta Z$ sind in Einheiten der 7. Dezimale gegeben.

0^h Welt-Zeit	Mittleres Äquinoktium 1925.0											
	X			*ΔX**)	*Y*			*ΔY**)	*Z*			*ΔZ**)
1934												
Mai 3	+0.752 212	−11 274	−217	+3	+0.615 795	+11 741	−176	+3	+0.267 083	+5 093	− 76	+3
4	0.740 938	11 488	214	+2	0.627 536	11 562	179	+4	0.272 176	5 016	77	+5
5	0.729 450	11 699	211	0	0.639 098	11 379	183	−1	0.277 192	4 936	80	−1
6	0.717 751	11 908	209	−3	0.650 477	11 192	187	−3	0.282 128	4 855	81	−1
7	0.705 843	12 112	204	+4	0.661 669	11 003	189	+2	0.286 983	4 773	82	+1
8	0.693 731	12 313	201	+5	0.672 672	10 810	193	−1	0.291 756	4 689	84	0
9	+0.681 418	−12 510	−197	+5	+0.683 482	+10 613	−197	−3	+0.296 445	+4 604	− 85	+2
10	0.668 908	12 705	195	−1	0.694 095	10 415	198	+4	0.301 049	4 518	86	+3
11	0.656 203	12 894	189	+4	0.704 510	10 211	204	−3	0.305 567	4 429	89	−3
12	0.643 309	13 081	187	0	0.714 721	10 006	205	+2	0.309 996	4 340	89	+1
13	0.630 228	13 262	181	+5	0.724 727	9 797	209	−2	0.314 336	4 249	91	0
14	0.616 966	13 440	178	+2	0.734 524	9 585	212	−3	0.318 585	4 157	92	+1
15	+0.603 526	−13 613	−173	+4	+0.744 109	+ 9 371	−214	−1	+0.322 742	+4 064	− 93	+3
16	0.589 913	13 782	169	+3	0.753 480	9 154	217	−3	0.326 806	3 970	94	+3
17	0.576 131	13 947	165	0	0.762 634	8 934	220	−4	0.330 776	3 875	95	+3
18	0.562 184	14 107	160	+2	0.771 568	8 713	221	0	0.334 651	3 778	97	0
19	0.548 077	14 263	156	+1	0.780 281	8 488	225	−4	0.338 429	3 681	97	+3
20	0.533 814	14 414	151	+2	0.788 769	8 263	225	+2	0.342 110	3 583	98	+4
21	+0.519 400	−14 562	−148	−3	+0.797 032	+ 8 034	−229	−4	+0.345 693	+3 484	− 99	+4
22	0.504 838	14 704	142	+3	0.805 066	7 804	230	−3	0.349 177	3 385	99	+4
23	0.490 134	14 842	138	+2	0.812 870	7 571	233	−5	0.352 562	3 283	102	−4
24	0.475 292	14 976	134	−2	0.820 441	7 338	233	+2	0.355 845	3 183	100	+3
25	0.460 316	15 106	130	−2	0.827 779	7 103	235	0	0.359 028	3 080	103	−4
26	0.445 210	15 230	124	+3	0.834 882	6 865	238	−4	0.362 108	2 978	102	−1
27	+0.429 980	−15 352	−122	−4	+0.841 747	+ 6 627	−238	+1	+0.365 086	+2 874	−104	−3
28	0.414 628	15 468	116	+1	0.848 374	6 387	240	+2	0.367 960	2 771	103	+3
29	0.399 160	15 581	113	−3	0.854 761	6 146	241	+3	0.370 731	2 666	105	−1
30	0.383 579	15 690	109	−4	0.860 907	5 903	243	+1	0.373 397	2 561	105	−1
31	0.367 889	15 795	105	−2	0.866 810	5 659	244	+2	0.375 958	2 455	106	−3
Juni 1	0.352 094	15 895	100	+2	0.872 469	5 412	247	−3	0.378 413	2 348	107	−3
2	+0.336 199	−15 991	− 96	0	+0.877 881	+ 5 165	−247	−1	+0.380 761	+2 241	−107	0
3	0.320 208	16 084	93	−5	0.883 046	4 915	250	−5	0.383 002	2 132	109	−2
4	0.304 124	16 172	88	−2	0.887 961	4 664	251	−1	0.385 134	2 024	108	+5
5	0.287 952	16 255	83	+3	0.892 625	4 412	252	+4	0.387 158	1 915	109	+3
6	0.271 697	16 333	78	+5	0.897 037	4 158	254	+5	0.389 073	1 804	111	−5
7	0.255 364	16 407	74	+2	0.901 195	3 903	255	+4	0.390 877	1 693	111	−5
8	+0.238 957	−16 476	− 69	0	+0.905 098	+ 3 646	−257	−1	+0.392 570	+1 581	−112	−4
9	0.222 481	16 540	64	−1	0.908 744	3 388	258	−2	0.394 151	1 469	112	0
10	0.205 941	16 600	60	−3	0.912 132	3 129	259	−1	0.395 620	1 357	112	+4
11	0.189 341	16 653	53	+3	0.915 261	2 869	260	−1	0.396 977	1 245	112	+4
12	0.172 688	−16 703	50	−3	0.918 130	+ 2 608	261	0	0.398 222	+1 131	114	−4
13	+0.155 985		− 43	+2	+0.920 738		−261	+4	+0.399 353		−114	−4

*) *ΔX*, *ΔY*, *ΔZ* sind in Einheiten der 7. Dezimale gegeben.

0h Welt-Zeit	Mittleres Äquinoktium 1925.0											
	X			ΔX*)	Y			ΔY*)	Z			ΔZ*)
1934												
Juni 13	+0.155 985	−16 746	− 43	+2	+0.920 738	+2 347	−261	+4	+0.399 353	+1 017	−114	−4
14	0.139 239	16 786	40	−3	0.923 085	2 086	261	+4	0.400 370	904	113	0
15	0.122 453	16 819	33	+1	0.925 171	1 822	264	−4	0.401 274	790	114	−2
16	0.105 634	16 849	30	−4	0.926 993	1 561	261	+4	0.402 064	676	114	−2
17	0.088 785	16 872	23	+3	0.928 554	1 297	264	−4	0.402 740	562	114	−2
18	0.071 913	16 891	19	0	0.929 851	1 034	263	−2	0.403 302	448	114	−2
19	+0.055 022	−16 906	− 15	−4	+0.930 885	+ 771	−263	0	+0.403 750	+ 334	−114	−1
20	0.038 116	16 915	9	+2	0.931 656	509	262	+2	0.404 084	220	114	−1
21	0.021 201	16 919	− 4	+5	0.932 165	+ 245	264	−4	0.404 304	+ 107	113	+1
22	+0.004 282	16 918	+ 1	+5	0.932 410	− 16	261	+4	0.404 411	− 8	115	−4
23	−0.012 636	16 914	4	+1	0.932 394	279	263	−3	0.404 403	120	112	+4
24	0.029 550	16 904	10	+5	0.932 115	540	261	+1	0.404 283	234	114	−3
25	−0.046 454	−16 890	+ 14	+4	+0.931 575	− 801	−261	0	+0.404 049	− 347	−113	−3
26	0.063 344	16 872	18	+1	0.930 774	1 062	261	0	0.403 702	460	113	−3
27	0.080 216	16 849	23	+1	0.929 712	1 322	260	+2	0.403 242	573	113	−2
28	0.097 065	16 823	26	−3	0.928 390	1 582	260	+2	0.402 669	685	112	+2
29	0.113 888	16 791	32	+2	0.926 808	1 841	259	+3	0.401 984	798	113	−1
30	0.130 679	16 756	35	−2	0.924 967	2 101	260	0	0.401 186	910	112	0
Juli 1	−0.147 435	−16 716	+ 40	−2	+0.922 866	−2 360	−259	+2	+0.400 276	−1 023	−113	−4
2	0.164 151	16 672	44	−2	0.920 506	2 618	258	+4	0.399 253	1 135	112	−2
3	0.180 823	16 622	50	+2	0.917 888	2 877	259	0	0.398 118	1 247	112	−1
4	0.197 445	16 569	53	−2	0.915 011	3 135	258	+2	0.396 871	1 360	113	−3
5	0.214 014	16 509	60	+4	0.911 876	3 392	257	+5	0.395 511	1 471	111	+4
6	0.230 523	16 446	63	−3	0.908 484	3 648	256	+4	0.394 040	1 582	111	+3
7	−0.246 969	−16 378	+ 68	−3	+0.904 836	−3 905	−257	−2	+0.392 458	−1 694	−112	−1
8	0.263 347	16 304	74	+2	0.900 931	4 159	254	+3	0.390 764	1 804	110	+2
9	0.279 651	16 225	79	+3	0.896 772	4 413	254	0	0.388 960	1 915	111	−1
10	0.295 876	16 143	82	−2	0.892 359	4 666	253	−2	0.387 045	2 024	109	+5
11	0.312 019	16 054	89	+5	0.887 693	4 917	251	+1	0.385 021	2 133	109	+4
12	0.328 073	15 961	93	+3	0.882 776	5 167	250	0	0.382 888	2 242	109	+2
13	−0.344 034	−15 863	+ 98	+1	+0.877 609	−5 415	−248	+2	+0.380 646	−2 349	−107	+5
14	0.359 897	15 761	102	−4	0.872 194	5 662	247	+1	0.378 297	2 456	107	+1
15	0.375 658	15 654	107	−5	0.866 532	5 907	245	+2	0.375 841	2 563	107	−2
16	0.391 312	15 543	111	−4	0.860 625	6 149	242	+4	0.373 278	2 668	105	+3
17	0.406 855	15 426	117	+4	0.854 476	6 391	242	−1	0.370 610	2 772	104	+4
18	0.422 281	15 305	121	+3	0.848 085	6 630	239	+3	0.367 838	2 876	104	+1
19	−0.437 586	−15 181	+124	−3	+0.841 455	−6 866	−236	+5	+0.364 962	−2 978	−102	+3
20	0.452 767	15 051	130	+1	0.834 589	7 102	236	−3	0.361 984	3 080	102	−1
21	0.467 818	14 919	132	−4	0.827 487	7 334	232	+3	0.358 904	3 181	101	−1
22	0.482 737	14 781	138	+3	0.820 153	7 564	230	+5	0.355 723	3 280	99	+4
23	0.497 518	−14 640	141	+2	0.812 589	−7 792	228	+4	0.352 443	−3 379	99	0
24	−0.512 158		+145	+1	+0.804 797		−225	+5	+0.349 064		− 98	−1

*) ΔX, ΔY, ΔZ sind in Einheiten der 7. Dezimale gegeben.

0h Welt-Zeit	Mittleres Äquinoktium 1925.0											
	X			ΔX*)	Y			ΔY*)	Z			ΔZ*)
1934												
Juli 24	−0.512 158	−14 495	+145	+1	+0.804 797	−8 017	−225	+5	+0.349 064	−3 477	−98	−1
25	0.526 653	14 347	148	−2	0.796 780	8 240	223	+2	0.345 587	3 573	96	+2
26	0.541 000	14 195	152	−2	0.788 540	8 462	222	−5	0.342 014	3 670	97	−3
27	0.555 195	14 039	156	−1	0.780 078	8 682	220	−4	0.338 344	3 764	94	+4
28	0.569 234	13 880	159	−3	0.771 396	8 898	216	+4	0.334 580	3 859	95	+1
29	0.583 114	13 717	163	−2	0.762 498	9 113	215	+3	0.330 721	3 952	93	+4
30	−0.596 831	−13 550	+167	+1	+0.753 385	−9 326	−213	+3	+0.326 769	−4 044	−92	+4
31	0.610 381	13 378	172	+4	0.744 059	9 536	210	+4	0.322 725	4 136	92	0
Aug. 1	0.623 759	13 204	174	−4	0.734 523	9 745	209	−2	0.318 589	4 226	90	+1
2	0.636 963	13 025	179	−2	0.724 778	9 951	206	−2	0.314 363	4 316	90	−4
3	0.649 988	12 842	183	+1	0.714 827	10 155	204	−3	0.310 047	4 405	89	−4
4	0.662 830	12 654	188	+3	0.704 672	10 355	200	+1	0.305 642	4 491	86	+1
5	−0.675 484	−12 464	+190	−4	+0.694 317	−10 554	−199	−5	+0.301 151	−4 578	−87	−5
6	0.687 948	12 268	196	+1	0.683 763	10 749	195	−2	0.296 573	4 663	85	−2
7	0.700 216	12 070	198	−5	0.673 014	10 941	192	0	0.291 910	4 746	83	+2
8	0.712 286	11 867	203	−2	0.662 073	11 130	189	0	0.287 164	4 828	82	+2
9	0.724 153	11 661	206	−3	0.650 943	11 316	186	−2	0.282 336	4 909	81	0
10	0.735 814	11 451	210	0	0.639 627	11 499	183	−3	0.277 427	4 988	79	+1
11	−0.747 265	−11 237	+214	+4	+0.628 128	−11 679	−180	−2	+0.272 439	−5 066	−78	+1
12	0.758 502	11 020	217	+2	0.616 449	11 854	175	+5	0.267 373	5 142	76	+3
13	0.769 522	10 799	221	+2	0.604 595	12 026	172	+4	0.262 231	5 217	75	+2
14	0.780 321	10 576	223	−3	0.592 569	12 195	169	−1	0.257 014	5 289	72	+5
15	0.790 897	10 349	227	−2	0.580 374	12 360	165	−3	0.251 725	5 361	72	−2
16	0.801 246	10 119	230	−2	0.568 014	12 522	162	−4	0.246 364	5 431	70	−3
17	−0.811 365	−9 887	+232	−4	+0.555 492	−12 679	−157	0	+0.240 933	−5 500	−69	−4
18	0.821 252	9 651	236	0	0.542 813	12 833	154	−1	0.235 433	5 565	65	+4
19	0.830 903	9 413	238	−2	0.529 980	12 983	150	+1	0.229 868	5 631	66	−3
20	0.840 316	9 173	240	−5	0.516 997	13 129	146	+3	0.224 237	5 694	63	+2
21	0.849 489	8 931	242	−4	0.503 868	13 271	142	+3	0.218 543	5 755	61	+5
22	0.858 420	8 685	246	+4	0.490 597	13 410	139	−1	0.212 788	5 815	60	+1
23	−0.867 105	−8 438	+247	+1	+0.477 187	−13 545	−135	−1	+0.206 973	−5 875	−60	−4
24	0.875 543	8 189	249	0	0.463 642	13 677	132	−2	0.201 098	5 931	56	+4
25	0.883 732	7 937	252	+4	0.449 965	13 805	128	−1	0.195 167	5 987	56	0
26	0.891 669	7 683	254	+4	0.436 160	13 930	125	−2	0.189 180	6 041	54	0
27	0.899 352	7 427	256	+2	0.422 230	14 051	121	0	0.183 139	6 094	53	−1
28	0.906 779	7 168	259	+3	0.408 179	14 168	117	+1	0.177 045	6 145	51	0
29	−0.913 947	−6 907	+261	+1	+0.394 011	−14 283	−115	−4	+0.170 900	−6 194	−49	+1
30	0.920 854	6 643	264	0	0.379 728	14 393	110	+1	0.164 706	6 243	49	−4
31	0.927 497	6 378	265	−4	0.365 335	14 499	106	+3	0.158 463	6 289	46	0
Sept. 1	0.933 875	6 109	269	+2	0.350 836	14 601	102	+3	0.152 174	6 333	44	+1
2	0.939 984	−5 838	271	+2	0.336 235	−14 700	99	−1	0.145 841	−6 376	43	−3
3	−0.945 822		+272	−2	+0.321 535		−93	+4	+0.139 465		−41	−4

*) ΔX, ΔY, ΔZ sind in Einheiten der 7. Dezimale gegeben.

0ʰ Welt-Zeit	Mittleres Äquinoktium 1925.0											
	X			*ΔX**)	*Y*			*ΔY**)	*Z*			*ΔZ**)
1934												
Sept. 3	−0.945 822	−5566	+272	−2	+0.321 535	−14793	−93	+4	+0.139 465	−6417	−41	−4
4	0.951 388	5290	276	+2	0.306 742	14884	91	−2	0.133 048	6456	39	−5
5	0.956 678	5014	276	−3	0.291 858	14969	85	+2	0.126 592	6494	38	−5
6	0.961 692	4735	279	0	0.276 889	15049	80	+3	0.120 098	6528	34	+4
7	0.966 427	4454	281	+2	0.261 840	15127	78	−4	0.113 570	6561	33	+2
8	0.970 881	4172	282	−1	0.246 713	15198	71	+1	0.107 009	6593	32	−2
9	−0.975 053	−3888	+284	0	+0.231 515	−15266	−68	−5	+0.100 416	−6621	−28	+2
10	0.978 941	3603	285	0	0.216 249	15329	63	−4	0.093 795	6649	28	−5
11	0.982 544	3316	287	+3	0.200 920	15387	58	−1	0.087 146	6674	25	−5
12	0.985 860	3028	288	+1	0.185 533	15440	53	+2	0.080 472	6697	23	−4
13	0.988 888	2740	288	−4	0.170 093	15489	49	0	0.073 775	6718	21	−3
14	0.991 628	2451	289	−4	0.154 604	15533	44	+1	0.067 057	6737	19	−1
15	−0.994 079	−2161	+290	0	+0.139 071	−15571	−38	+5	+0.060 320	−6754	−17	+1
16	0.996 240	1870	291	+4	0.123 500	15606	35	−1	0.053 566	6768	14	+5
17	0.998 110	1579	291	+5	0.107 894	15637	31	−4	0.046 798	6781	13	+2
18	0.999 689	1287	292	+5	0.092 257	15661	24	+4	0.040 017	6792	11	+1
19	1.000 976	996	291	−2	0.076 596	15683	22	−1	0.033 225	6801	9	0
20	1.001 972	705	291	−4	0.060 913	15699	16	+4	0.026 424	6809	8	−3
21	−1.002 677	− 413	+292	0	+0.045 214	−15711	−12	+3	+0.019 615	−6814	− 5	+3
22	1.003 090	− 121	292	−1	0.029 503	15720	9	−1	0.012 801	6817	3	+4
23	1.003 211	+ 171	292	−3	+0.013 783	15723	− 3	+5	+0.005 984	6819	− 2	0
24	1.003 040	463	292	−2	−0.001 940	15723	0	+3	−0.000 835	6819	0	−2
25	1.002 577	756	293	+3	0.017 663	15718	+ 5	+3	0.007 654	6818	+ 1	−4
26	1.001 821	1049	293	+2	0.033 381	15710	8	−1	0.014 472	6813	5	+3
27	−1.000 772	+1342	+293	+1	−0.049 091	−15696	+14	+5	−0.021 285	−6808	+ 5	−4
28	0.999 430	1636	294	+3	0.064 787	15678	18	+2	0.028 093	6801	7	−5
29	0.997 794	1929	293	−2	0.080 465	15656	22	−3	0.034 894	6791	10	0
30	0.995 865	2222	293	−4	0.096 121	15630	26	−4	0.041 685	6779	12	0
Okt. 1	0.993 643	2516	294	+1	0.111 751	15597	33	+4	0.048 464	6766	13	−4
2	0.991 127	2809	293	0	0.127 348	15561	36	−2	0.055 230	6750	16	−1
3	−0.988 318	+3102	+293	0	−0.142 909	−15520	+41	−4	−0.061 980	−6732	+18	−2
4	0.985 216	3394	292	−2	0.158 429	15474	46	−4	0.068 712	6712	20	−3
5	0.981 822	3686	292	+1	0.173 903	15424	50	−4	0.075 424	6690	22	−4
6	0.978 136	3978	292	+4	0.189 327	15367	57	+3	0.082 114	6666	24	−5
7	0.974 158	4267	289	−2	0.204 694	15308	59	−4	0.088 780	6640	26	−4
8	0.969 891	4557	290	+4	0.220 002	15242	66	+4	0.095 420	6611	29	+1
9	−0.965 334	+4846	+289	+4	−0.235 244	−15171	+71	+5	−0.102 031	−6581	+30	−1
10	0.960 488	5132	286	−4	0.250 415	15096	75	−1	0.108 612	6547	34	+4
11	0.955 356	5417	285	−3	0.265 511	15017	79	−5	0.115 159	6513	34	−3
12	0.949 939	5701	284	+2	0.280 528	14932	85	+1	0.121 672	6476	37	−2
13	0.944 238	+5983	282	+2	0.295 460	−14842	90	+5	0.128 148	−6437	39	−1
14	−0.938 255		+280	+1	−0.310 302		+94	+4	−0.134 585		+41	0

*) *ΔX*, *ΔY*, *ΔZ* sind in Einheiten der 7. Dezimale gegeben.

0^h Welt-Zeit	Mittleres Äquinoktium 1925.0											
	X			ΔX*)	Y			ΔY*)	Z			ΔZ*)
1934												
Okt. 14	−0.938 255	+ 6263	+280	+1	−0.310 302	−14748	+ 94	+4	−0.134 585	−6396	+ 41	0
15	0.931 992	6541	278	0	0.325 050	14649	99	+5	0.140 981	6353	43	0
16	0.925 451	6816	275	−1	0.339 699	14546	103	+1	0.147 334	6309	44	−3
17	0.918 635	7091	275	+4	0.354 245	14440	106	−3	0.153 643	6262	47	+1
18	0.911 544	7361	270	−4	0.368 685	14327	113	+4	0.159 905	6214	48	+1
19	0.904 183	7631	270	+2	0.383 012	14213	114	−4	0.166 119	6164	50	+2
20	−0.896 552	+ 7898	+267	0	−0.397 225	−14093	+120	+2	−0.172 283	−6112	+ 52	+4
21	0.888 654	8163	265	−1	0.411 318	13970	123	+1	0.178 395	6059	53	+3
22	0.880 491	8425	262	−3	0.425 288	13842	128	+3	0.184 454	6003	56	+4
23	0.872 066	8686	261	+2	0.439 130	13711	131	−2	0.190 457	5947	56	−4
24	0.863 380	8945	259	+5	0.452 841	13576	135	−4	0.196 404	5889	58	−4
25	0.854 435	9202	257	+4	0.466 417	13437	139	−4	0.202 293	5828	61	0
26	−0.845 233	+ 9455	+253	−2	−0.479 854	−13294	+143	−4	−0.208 121	−5767	+ 61	−3
27	0.835 778	9708	253	+3	0.493 148	13147	147	−3	0.213 888	5702	65	+4
28	0.826 070	9956	248	−4	0.506 295	12995	152	+2	0.219 590	5637	65	−2
29	0.816 114	10204	248	+4	0.519 290	12839	156	+2	0.225 227	5570	67	−2
30	0.805 910	10449	245	+4	0.532 129	12680	159	−2	0.230 797	5500	70	+2
31	0.795 461	10690	241	−3	0.544 809	12516	164	0	0.236 297	5429	71	0
Nov. 1	−0.784 771	+10929	+239	−3	−0.557 325	−12348	+168	+1	−0.241 726	−5356	+ 73	−1
2	0.773 842	11164	235	−5	0.569 673	12176	172	+1	0.247 082	5282	74	−4
3	0.762 678	11398	234	+3	0.581 849	12000	176	+2	0.252 364	5205	77	−1
4	0.751 280	11626	228	−4	0.593 849	11819	181	+5	0.257 569	5127	78	−1
5	0.739 654	11853	227	+4	0.605 668	11636	183	−1	0.262 696	5047	80	+1
6	0.727 801	12076	223	+3	0.617 304	11447	189	+4	0.267 743	4965	82	+3
7	−0.715 725	+12295	+219	−1	−0.628 751	−11255	+192	+3	−0.272 708	−4881	+ 84	+3
8	0.703 430	12509	214	−5	0.640 006	11059	196	+3	0.277 589	4797	84	−3
9	0.690 921	12721	212	+1	0.651 065	10859	200	+3	0.282 386	4709	88	+4
10	0.678 200	12927	206	−4	0.661 924	10656	203	0	0.287 095	4621	88	−2
11	0.665 273	13130	203	+2	0.672 580	10449	207	0	0.291 716	4532	89	−4
12	0.652 143	13329	199	+4	0.683 029	10240	209	−3	0.296 248	4441	91	0
13	−0.638 814	+13523	+194	0	−0.693 269	−10026	+214	+4	−0.300 689	−4348	+ 93	+5
14	0.625 291	13712	189	−4	0.703 295	9810	216	+1	0.305 037	4254	94	+5
15	0.611 579	13898	186	+1	0.713 105	9592	218	−2	0.309 291	4159	95	+2
16	0.597 681	14079	181	0	0.722 697	9370	222	+3	0.313 450	4064	95	−3
17	0.583 602	14256	177	+1	0.732 067	9145	225	+5	0.317 514	3966	98	+1
18	0.569 346	14429	173	+3	0.741 212	8919	226	−1	0.321 480	3868	98	−3
19	−0.554 917	+14598	+169	+3	−0.750 131	− 8689	+230	+1	−0.325 348	−3769	+ 99	−5
20	0.540 319	14762	164	+1	0.758 820	8458	231	−5	0.329 117	3669	100	−5
21	0.525 557	14923	161	+3	0.767 278	8223	235	−1	0.332 786	3567	102	0
22	0.510 634	15079	156	0	0.775 501	7987	236	−3	0.336 353	3464	103	−1
23	0.495 555	+15231	152	−1	0.783 488	− 7746	241	+4	0.339 817	−3361	103	−4
24	−0.480 324		+148	−1	−0.791 234		+241	−3	−0.343 178		+105	+1

*) ΔX, ΔY, ΔZ sind in Einheiten der 7. Dezimale gegeben.

Sonnenkoordinaten 1934

0^h Welt-Zeit	Mittleres Äquinoktium 1925.0											
	X			ΔX*)	Y			ΔY*)	Z			ΔZ*)
1934												
Nov. 24	−0.480 324	+15 379	+148	−1	−0.791 234	−7 505	+241	−3	−0.343 178	−3 256	+105	+1
25	0.464 945	15 522	143	−2	0.798 739	7 260	245	−1	0.346 434	3 149	107	+4
26	0.449 423	15 662	140	+3	0.805 999	7 014	246	−4	0.349 583	3 043	106	−4
27	0.433 761	15 796	134	−2	0.813 013	6 764	250	+1	0.352 626	2 934	109	0
28	0.417 965	15 926	130	−2	0.819 777	6 512	252	+1	0.355 560	2 825	109	−3
29	0.402 039	16 051	125	−2	0.826 289	6 258	254	+1	0.358 385	2 715	110	−4
30	−0.385 988	+16 172	+121	+2	−0.832 547	−6 001	+257	+2	−0.361 100	−2 604	+111	−2
Dez. 1	0.369 816	16 288	116	0	0.838 548	5 743	258	−3	0.363 704	2 491	113	+4
2	0.353 528	16 398	110	−5	0.844 291	5 482	261	−1	0.366 195	2 377	114	+3
3	0.337 130	16 504	106	−1	0.849 773	5 218	264	+2	0.368 572	2 264	113	−4
4	0.320 626	16 604	100	−1	0.854 991	4 954	264	−4	0.370 836	2 149	115	−1
5	0.304 022	16 700	96	+4	0.859 945	4 686	268	0	0.372 985	2 032	117	+4
6	−0.287 322	+16 789	+ 89	−1	−0.864 631	−4 418	+268	−5	−0.375 017	−1 915	+117	+1
7	0.270 533	16 873	84	+1	0.869 049	4 147	271	−1	0.376 932	1 799	116	−4
8	0.253 660	16 952	79	+4	0.873 196	3 875	272	−1	0.378 731	1 680	119	+3
9	0.236 708	17 025	73	+1	0.877 071	3 602	273	−3	0.380 411	1 561	119	+1
10	0.219 683	17 091	66	−4	0.880 673	3 328	274	−3	0.381 972	1 443	118	−4
11	0.202 592	17 154	63	+3	0.884 001	3 052	276	+1	0.383 415	1 323	120	+1
12	−0.185 438	+17 209	+ 55	−5	−0.887 053	−2 777	+275	−3	−0.384 738	−1 204	+119	−3
13	0.168 229	17 259	50	−4	0.889 830	2 500	277	+2	0.385 942	1 084	120	−1
14	0.150 970	17 305	46	+3	0.892 330	2 223	277	+2	0.387 026	964	120	0
15	0.133 665	17 345	40	+1	0.894 553	1 945	278	+2	0.387 990	844	120	+1
16	0.116 320	17 379	34	−3	0.896 498	1 668	277	−4	0.388 834	723	121	+4
17	0.098 941	17 409	30	−1	0.898 166	1 390	278	−3	0.389 557	603	120	0
18	−0.081 532	+17 433	+ 24	−4	−0.899 556	−1 112	+278	−1	−0.390 160	− 482	+121	+1
19	0.064 099	17 452	19	−4	0.900 668	832	280	+4	0.390 642	362	120	−3
20	0.046 647	17 466	14	−3	0.901 500	554	278	−5	0.391 004	241	121	0
21	0.029 181	17 475	9	0	0.902 054	− 275	279	−4	0.391 245	− 120	121	+1
22	−0.011 706	17 480	+ 5	+4	0.902 329	+ 4	279	−4	0.391 365	+ 1	121	+2
23	+0.005 774	17 478	− 2	−3	0.902 325	284	280	−1	0.391 364	123	122	+3
24	+0.023 252	+17 472	− 6	−1	−0.902 041	+ 563	+279	−5	−0.391 241	+ 243	+120	−4
25	0.040 724	17 460	12	−3	0.901 478	842	279	−4	0.390 998	365	122	+2
26	0.058 184	17 444	16	0	0.900 636	1 122	280	+2	0.390 633	486	121	0
27	0.075 628	17 421	23	−5	0.899 514	1 402	280	+3	0.390 147	607	121	+1
28	0.093 049	17 394	27	−3	0.898 112	1 681	279	−2	0.389 540	729	122	+5
29	0.110 443	17 361	33	−4	0.896 431	1 960	279	−4	0.388 811	850	121	+1
30	+0.127 804	+17 322	− 39	−4	−0.894 471	+2 238	+278	−4	−0.387 961	+ 971	+121	−1
31	0.145 126	+17 279	43	+2	0.892 233	+2 517	279	+3	0.386 990	+1 092	121	−3
32	+0.162 405		− 49	+1	−0.889 716		+278	+2	−0.385 898		+120	−5

*) ΔX, ΔY, ΔZ sind in Einheiten der 7. Dezimale gegeben.

Mittleres Äquinoktium 1925.0

MERKUR 1934

0^h Welt-Zeit	log r	Helioz. Länge	Red. a. d. Bahn	Helioz. Breite	0^h Welt-Zeit	log r	Helioz. Länge	Red. a. d. Bahn	Helioz. Breite
1934		°	°	°	1934		°	°	°
Jan. 1	9.6668	244.65	+0.12	−2.08	Juli 5	9.6659	269.63	+0.21	−4.72
6	9.6689	258.40	+0.19	−3.62	10	9.6563	283.90	+0.20	−5.85
11	9.6646	272.26	+0.21	−4.95	15	9.6399	299.11	+0.13	−6.65
16	9.6537	286.67	+0.19	−6.03	20	9.6169	315.80	+0.01	−7.00
21	9.6361	302.11	+0.11	−6.76	25	9.5877	334.64	−0.12	−6.69
26	9.6119	319.15	−0.01	−7.00	30	9.5540	356.38	−0.21	−5.46
31	9.5816	338.47	−0.14	−6.54	Aug. 4	9.5204	21.67	−0.17	−3.06
Febr. 5	9.5475	0.84	−0.21	−5.10	9	9.4952	50.60	+0.02	+0.39
10	9.5147	26.84	−0.14	−2.47	14	9.4882	81.85	+0.20	+3.97
15	9.4923	56.35	+0.07	+1.09	19	9.5027	112.77	+0.16	+6.37
20	9.4894	87.77	+0.21	+4.55	24	9.5321	140.77	−0.02	+6.99
25	9.5074	118.30	+0.13	+6.62	29	9.5665	164.86	−0.18	+6.22
März 2	9.5385	145.59	−0.06	+6.93	Sept. 3	9.5989	185.38	−0.21	+4.70
7	9.5729	168.96	−0.19	+5.98	8	9.6260	203.18	−0.16	+2.89
12	9.6045	188.90	−0.21	+4.37	13	9.6466	219.06	−0.06	+1.02
17	9.6304	206.27	−0.14	+2.54	18	9.6605	233.71	+0.05	−0.77
22	9.6497	221.88	−0.04	+0.68	23	9.6678	247.67	+0.14	−2.43
27	9.6624	236.36	+0.07	−1.09	28	9.6686	261.40	+0.20	−3.93
April 1	9.6684	250.25	+0.15	−2.73	Okt. 3	9.6628	275.35	+0.21	−5.21
6	9.6680	263.99	+0.21	−4.18	8	9.6504	289.94	+0.18	−6.22
11	9.6610	278.02	+0.21	−5.42	13	9.6314	305.67	+0.09	−6.86
16	9.6474	292.78	+0.16	−6.37	18	9.6057	323.15	−0.04	−6.97
21	9.6271	308.80	+0.06	−6.92	23	9.5744	343.08	−0.17	−6.32
26	9.6002	326.68	−0.07	−6.91	28	9.5400	6.20	−0.21	−4.63
Mai 1	9.5680	347.15	−0.18	−6.09	Nov. 2	9.5086	33.02	−0.10	−1.75
6	9.5336	10.94	−0.21	−4.18	7	9.4898	63.14	+0.11	+1.90
11	9.5038	38.45	−0.07	−1.10	12	9.4917	94.62	+0.21	+5.15
16	9.4884	69.03	+0.15	+2.59	17	9.5135	124.59	+0.09	+6.83
21	9.4945	100.44	+0.21	+5.60	22	9.5460	151.03	−0.10	+6.81
26	9.5191	129.85	+0.06	+6.94	27	9.5802	173.58	−0.20	+5.66
31	9.5525	155.54	−0.13	+6.66	Dez. 2	9.6107	192.89	−0.20	+3.98
Juni 5	9.5863	177.42	−0.21	+5.38	7	9.6352	209.81	−0.12	+2.13
10	9.6158	196.22	−0.19	+3.64	12	9.6531	225.12	−0.02	+0.28
15	9.6391	212.79	−0.11	+1.78	17	9.6643	239.43	+0.09	−1.46
20	9.6557	227.87	0.00	−0.05	22	9.6689	253.25	+0.17	−3.06
25	9.6656	242.05	+0.11	−1.78	27	9.6670	267.02	+0.21	−4.48
30	9.6690	255.82	+0.18	−3.34	32	9.6586	281.17	+0.20	−5.66
Juli 5	9.6659	269.63	+0.21	−4.72					

$☊ = 47^\circ.442$ $i = 7^\circ.003$ $m = \frac{1}{6\,000\,000}$

Mittleres Äquinoktium 1925.0

0ʰ Welt-Zeit	log r	Helioz. Länge	Red. a. d. Bahn	Helioz. Breite	log r	Helioz. Länge	Red. a. d. Bahn	Helioz. Breite
	VENUS 1934				MARS 1934			
1934		°	° in 0.001	°		°	° in 0.001	°
Jan. — 4	9.85785	70.501	—10	—0.324	0.14231	315.940	+ 2	—1.847
+ 6	9.85720	86.629	+17	+0.628	0.14120	322.250	— 1	1.846
16	9.85671	102.806	+41	+1.533	0.14053	328.586	5	1.823
26	9.85644	119.024	+50	+2.318	0.14031	334.935	8	1.778
Febr. 5	9.85639	135.270	+44	+2.919	0.14055	341.283	11	1.711
15	9.85657	151.524	+24	+3.286	0.14124	347.617	—13	—1.623
25	9.85698	167.764	— 3	+3.392	0.14236	353.924	14	1.516
März 7	9.85757	183.966	—30	+3.228	0.14391	0.191	15	1.391
17	9.85830	200.108	—47	+2.810	0.14585	6.408	15	1.251
27	9.85910	216.180	—49	+2.174	0.14815	12.563	14	1.097
April 6	9.85993	232.175	—37	+1.371	0.15078	18.648	—13	—0.933
16	9.86070	248.100	—14	+0.466	0.15370	24.656	11	0.761
26	9.86137	263.968	+14	—0.472	0.15686	30.579	9	0.583
Mai 6	9.86187	279.797	+37	—1.372	0.16023	36.413	6	0.402
16	9.86219	295.607	+49	—2.166	0.16376	42.155	3	0.219
26	9.86228	311.417	+47	—2.796	0.16740	47.803	— 1	—0.037
Juni 5	9.86215	327.241	+31	—3.214	0.17113	53.356	+ 2	+0.142
15	9.86181	343.093	+ 5	—3.389	0.17490	58.814	5	0.317
25	9.86127	358.978	—22	—3.307	0.17867	64.178	8	0.486
Juli 5	9.86058	14.902	—43	—2.971	0.18241	69.450	10	0.648
15	9.85980	30.868	—50	—2.406	0.18610	74.632	+12	+0.802
25	9.85897	46.878	—43	—1.652	0.18969	79.729	13	0.947
Aug. 4	9.85818	62.935	—22	—0.767	0.19318	84.744	14	1.082
14	9.85747	79.041	+ 5	+0.182	0.19653	89.681	15	1.207
24	9.85690	95.197	+31	+1.118	0.19972	94.545	15	1.322
Sept. 3	9.85653	111.398	+48	+1.968	0.20274	99.340	+15	+1.425
13	9.85637	127.633	+49	+2.663	0.20558	104.071	14	1.517
23	9.85645	143.887	+35	+3.145	0.20821	108.743	13	1.598
Okt. 3	9.85676	160.136	+10	+3.376	0.21063	113.361	12	1.668
13	9.85727	176.359	—18	+3.338	0.21283	117.931	10	1.726
23	9.85794	192.531	—40	+3.036	0.21480	122.458	+ 8	+1.773
Nov. 2	9.85872	208.637	—50	+2.497	0.21653	126.946	6	1.809
12	9.85955	224.667	—45	+1.765	0.21801	131.401	4	1.834
22	9.86035	240.624	—26	+0.899	0.21925	135.828	+ 2	1.847
Dez. 2	9.86107	256.516	+ 1	—0.032	0.22023	140.233	— 1	1.849
12	9.86166	272.361	+27	—0.958	0.22096	144.621	— 3	+1.840
22	9.86207	288.177	+45	—1.810	0.22143	148.996	5	1.821
32	9.86227	303.984	+50	—2.524	0.22165	153.365	— 7	+1.791

Venus: $\Omega = 76°.005$ $i = 3°.394$ $m = \frac{1}{408\,000}$

Mars: $\Omega = 48°.979$ $i = 1°.850$ $m = \frac{1}{3\,093\,500}$

Mittleres Äquinoktium 1925.0

0^h Welt-Zeit	log R	Länge	log r	Heliozentr. Länge	Red. auf d. Bahn	Heliozentr. Breite
	ERDE 1934		JUPITER 1934			
1934		°		°	° in 0.0001	°
Jan. — 4	9.99273	94.674	0.736756	190.4089	— 2	+1.3084
+ 6	9.99269	104.866	0.736775	191.1641	4	1.3081
16	9.99287	115.055	0.736790	191.9194	6	1.3075
26	9.99328	125.230	0.736801	192.6745	8	1.3067
Febr. 5	9.99388	135.381	0.736808	193.4296	10	1.3057
15	9.99468	145.499	0.736812	194.1847	—12	+1.3045
25	9.99563	155.577	0.736812	194.9399	14	1.3031
März 7	9.99670	165.608	0.736807	195.6950	16	1.3014
17	9.99787	175.587	0.736799	196.4501	17	1.2994
27	9.99910	185.511	0.736788	197.2053	19	1.2973
April 6	0.00035	195.378	0.736772	197.9605	—21	+1.2950
16	0.00158	205.189	0.736752	198.7158	23	1.2924
26	0.00276	214.946	0.736729	199.4712	25	1.2896
Mai 6	0.00385	224.651	0.736701	200.2266	27	1.2865
16	0.00483	234.311	0.736670	200.9821	29	1.2833
26	0.00566	243.930	0.736635	201.7377	—31	+1.2798
Juni 5	0.00633	253.516	0.736597	202.4935	32	1.2761
15	0.00682	263.076	0.736554	203.2494	34	1.2721
25	0.00711	272.619	0.736508	204.0054	36	1.2680
Juli 5	0.00721	282.153	0.736458	204.7616	37	1.2636
15	0.00709	291.688	0.736404	205.5180	—39	+1.2590
25	0.00678	301.232	0.736346	206.2746	41	1.2542
Aug. 4	0.00627	310.794	0.736284	207.0314	42	1.2492
14	0.00558	320.383	0.736219	207.7884	44	1.2439
24	0.00473	330.005	0.736150	208.5456	45	1.2384
Sept. 3	0.00374	339.669	0.736077	209.3031	—47	+1.2327
13	0.00264	349.380	0.736001	210.0608	49	1.2268
23	0.00145	359.142	0.735920	210.8188	50	1.2207
Okt. 3	0.00022	8.958	0.735836	211.5771	52	1.2144
13	9.99897	18.831	0.735748	212.3357	53	1.2078
23	9.99774	28.761	0.735657	213.0946	—54	+1.2010
Nov. 2	9.99658	38.746	0.735562	213.8538	56	1.1940
12	9.99551	48.782	0.735463	214.6134	57	1.1868
22	9.99458	58.865	0.735360	215.3733	58	1.1794
Dez. 2	9.99380	68.987	0.735254	216.1336	59	1.1718
12	9.99322	79.141	0.735144	216.8942	—60	+1.1640
22	9.99284	89.318	0.735031	217.6552	62	1.1559
32	9.99268	99.508	0.734914	218.4166	—63	+1.1477

Erde: $m = \frac{1}{329\,390}$

Jupiter: $\Omega = 99.^\circ6906$ $i = 1.^\circ3073$ $m = \frac{1}{1\,047.35}$

Mittleres Äquinoktium 1925.0

SATURN 1934

0^h Welt-Zeit	log r	Heliozentrische Länge	Red. auf die Bahn	Heliozentrische Breite
		°	in 0°.0001	°
1933 Dez. 17	0.994847	317.0304	+202	−1.0146
1934 Jan. 26	0.994474	318.2754	210	1.0638
März 7	0.994093	319.5227	217	1.1125
April 16	0.993704	320.7723	224	1.1609
Mai 26	0.993308	322.0242	230	1.2088
Juli 5	0.992904	323.2787	236	1.2561
Aug. 14	0.992492	324.5356	242	1.3030
Sept. 23	0.992073	325.7950	247	1.3493
Nov. 2	0.991647	327.0570	252	1.3951
1934 Dez. 12	0.991215	328.3217	256	1.4403
1935 Jan. 21	0.990775	329.5889	+260	−1.4848

☊ = 113°.0016 i = 2°.4913 $m = \frac{1}{3501.6}$

URANUS 1934

0^h Welt-Zeit	log r	Heliozentrische Länge	Red. auf die Bahn	Heliozentrische Breite
		°	in 0°.001	°
1933 Dez. 17	1.29894	25.925	− 3	−0.572
1934 Jan. 26	1.29884	26.360	3	0.568
März 7	1.29874	26.795	3	0.564
April 16	1.29865	27.231	3	0.560
Mai 26	1.29855	27.666	3	0.556
Juli 5	1.29845	28.102	3	0.552
Aug. 14	1.29835	28.538	3	0.548
Sept. 23	1.29825	28.975	3	0.544
Nov. 2	1.29814	29.411	3	0.539
1934 Dez. 12	1.29804	29.848	3	0.535
1935 Jan. 21	1.29794	30.285	− 3	−0.531

☊ = 73°.616 i = 0°.773 $m = \frac{1}{22869}$

NEPTUN 1934

0^h Welt-Zeit	log r	Heliozentrische Länge	Red. auf die Bahn	Heliozentrische Breite
		°	in 0°.001	°
1933 Dez. 17	1.47978	160.434	+ 12	+0.875
1934 Jan. 26	1.47979	160.672	12	0.881
März 7	1.47980	160.909	12	0.887
April 16	1.47981	161.147	12	0.894
Mai 26	1.47982	161.385	12	0.900
Juli 5	1.47983	161.622	12	0.906
Aug. 14	1.47984	161.860	12	0.913
Sept. 23	1.47985	162.097	12	0.919
Nov. 2	1.47987	162.335	12	0.925
1934 Dez. 12	1.47988	162.572	12	0.932
1935 Jan. 21	1.47989	162.810	+ 12	+0.938

☊ = 130°.954 i = 1°.777 $m = \frac{1}{19314}$

Mittlere und Scheinbare Sternörter 1934

Reduktionsgrößen

Mittlere Sternörter 1934.0

Nr.	Name	Gr.	Spektrum	AR. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
		M		h m s	s		° ' "	"	
905	[2 Ceti]	4.62	A 0	0 0 21.589	+3.0734	+ 12	−17 42 12.19	+20.040	− 4
1	α Androm.	2.15	A 0 p	0 4 58.293	+3.0995	+ 107	+28 43 33.92	+19.878	− 161
2	β Cassiopeiae	2.42	F 5	0 5 38.604	+3.1950	+ 677	+58 47 8.73	+19.858	− 180
3	ε Phoenicis	3.94	K 0	0 6 3.903	+3.0461	+ 99	−46 6 42.41	+19.845	− 192
4	[22 Androm.]	5.08	F 0	0 6 52.942	+3.1149	+ 8	+45 42 17.85	+20.032	− 3
5	[χ² Sculptoris]	5.56	K 0	0 8 13.490	+3.0477	+ 4	−28 10 3.28	+20.037	+ 6
6	[ϑ Sculptoris]	5.19	F 5	0 8 22.750	+3.0485	+ 104	−35 30 9.37	+20.154	+ 124
7	γ Pegasi	2.87	B 2	0 9 50.060	+3.0882	+ 1	+14 48 59.79	+20.012	− 14
8	[Br 6]	6.23	B 9	0 12 27.394	+3.3841	+ 68	+76 35 2.92	+20.016	+ 1
9	ι Ceti	3.75	K 0	0 16 3.906	+3.0564	− 15	− 9 11 23.07	+19.963	− 32
10	ζ Tucanae	4.34	F 8	0 16 38.570	+3.1318	+2693	−65 15 46.00	+21.145	+1154
11	β Hydri	2.90	G 0	0 22 18.801	+3.1737	+6928	−77 37 33.36	+20.267	+ 318
12	α Phoenicis	2.44	K 0	0 23 1.467	+2.9662	+ 168	−42 39 52.44	+19.534	− 409
13	12 Ceti	6.04	K 5	0 26 40.233	+3.0620	+ 8	− 4 19 18.66	+19.900	− 8
14	[Ceti 49 G.]	5.23	A 3	0 27 4.753	+2.9998	− 25	−24 9 10.01	+19.913	+ 9
15	[λ¹ Phoenicis]	4.88	A 2	0 28 14.147	+2.8952	+ 122	−49 10 6.73	+19.904	+ 12
16	[κ Cassiop.]	4.24	B 0	0 29 13.954	+3.4016	+ 11	+62 34 4.05	+19.884	+ 3
17	ζ Cassiopeiae	3.72	B 3	0 33 16.961	+3.3369	+ 23	+53 32 2.10	+19.826	− 7
18	π Androm.	4.44	B 3	0 33 21.006	+3.2022	+ 17	+33 21 22.56	+19.832	0
19	[ε Androm.]	4.52	G 5	0 35 3.765	+3.1683	− 173	+28 57 13.08	+19.559	− 251
20	δ Androm.	3.49	K 2	0 35 47.586	+3.2060	+ 106	+30 30 0.51	+19.716	− 84
21	α Cassiopeiae	2.47	K 0	0 36 44.911	+3.3974	+ 60	+56 10 32.37	+19.758	− 29
22	β Ceti	2.24	K 0	0 40 16.634	+3.0115	+ 160	−18 20 55.05	+19.774	+ 39
23	[η Phoenicis]	4.53	A 0	0 40 23.717	+2.7010	+ 5	−57 49 30.57	+19.725	− 8
26	[λ² Sculptoris]	5.97	K 0	0 41 0.672	+2.8996	+ 178	−38 47 6.77	+19.838	+ 114
25	ο Cassiopeiae	4.70	B 2	0 41 2.263	+3.3387	+ 22	+47 55 24.26	+19.715	− 8
24	21 Cassiopeiae	5.59	A 2	0 41 15.157	+3.9374	− 57	+74 37 39.42	+19.697	− 23
27	ζ Androm.	4.30	K 0	0 43 50.131	+3.1781	− 75	+23 54 30.33	+19.600	− 79
28	[δ Piscium]	4.55	K 5	0 45 15.337	+3.1114	+ 52	+ 7 13 34.22	+19.609	− 46
31	[λ Hydri]	4.96	K 5	0 46 18.692	+2.0916	+ 397	−75 16 57.10	+19.610	− 27
29	[Br 82]	5.45	F 2 + A 2	0 46 42.246	+3.6306	+ 59	+63 53 19.09	+19.625	− 5
30	[19 Ceti]	5.24	F 5	0 46 49.240	+3.0044	− 159	−10 59 58.08	+19.405	− 223
34	[λ² Tucanae]	5.34	K 0	0 52 32.465	+2.2406	− 33	−69 53 1.78	+19.475	− 45
32	γ Cassiopeiae	2.25	B 0 p	0 52 42.513	+3.6120	+ 37	+60 21 35.01	+19.512	− 4
33	μ Androm.	3.94	A 2	0 53 4.947	+3.3268	+ 129	+38 8 30.33	+19.545	+ 36
35	α Sculptoris	4.39	B 5	0 55 25.557	+2.8899	− 5	−29 42 50.49	+19.456	− 5
36	ε Piscium	4.45	K 0	0 59 30.923	+3.1128	− 55	+ 7 32 6.85	+19.402	+ 30
37	[26 Ceti]	6.07	F 0	1 0 25.137	+3.0872	+ 81	+ 1 0 48.26	+19.312	− 39
38	β Phoenicis	3.35	K 0	1 3 8.365	+2.6766	− 56	−47 4 19.58	+19.273	− 15
39	[ι Tucanae]	5.32	K 0	1 4 42.063	+2.3791	+ 100	−62 7 38.85	+19.246	− 4

Nr.	Name	Gr.	Spektrum	AR. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
		M		h m s	s		° ' "	"	
40	[η Ceti]	3.60	K o	1 5 16.112	+3.0169	+ 137	−10 31 54.17	+19.105	−132
42	β Androm.	2.37	M a	1 6 1.793	+3.3566	+ 151	+35 16 16.04	+19.105	−113
41	[44 H. Cephei]	5.68	A o	1 6 29.769	+5.1342	+ 335	+79 19 24.50	+19.215	+ 9
43	[τ Piscium]	4.70	K o	1 8 1.173	+3.3018	+ 56	+29 44 22.50	+19.126	− 41
44	[Sculpt. 102 G.]	5.91	A 5	1 9 42.936	+2.7618	+ 39	−38 12 21.18	+19.097	− 27
45	υ Piscium	4.67	A 2	1 15 49.982	+3.2948	+ 15	+26 55 3.54	+18.946	− 11
47	ϑ Ceti	3.83	K o	1 20 43.420	+2.9983	− 55	− 8 31 24.37	+18.599	−214
46	[ψ Cassiop.]	4.96	K o	1 21 14.587	+4.2223	+ 135	+67 47 10.70	+18.830	+ 32
48	δ Cassiopeiae	2.80	A 5	1 21 28.826	+3.9150	+ 399	+59 53 34.71	+18.747	− 43
49	[γ Phoenicis]	3.40	K 5	1 25 29.966	+2.6044	− 38	−43 39 21.94	+18.448	−218
50	η Piscium	3.72	G 5	1 27 56.860	+3.2086	+ 15	+15 0 21.86	+18.579	− 7
53	[Hydri 14 G.]	6.06	G 5	1 33 11.664	+0.3869	− 70	−78 50 23.11	+18.282	−128
51	40 Cassiopeiae	5.50	K o	1 33 12.016	+4.7685	− 20	+72 42 16.64	+18.403	− 6
52	υ Persei	3.77	K o	1 33 55.777	+3.6768	+ 64	+48 17 40.22	+18.271	−113
54	α Eridani	0.60	B 5	1 35 15.552	+2.2358	+ 122	−57 34 18.14	+18.299	− 38
55	43 Cassiopeiae	5.54	A o p	1 37 25.422	+4.4261	+ 88	+67 42 36.57	+18.259	− 2
56	[ν Piscium]	4.68	K o	1 37 59.653	+3.1213	− 16	+ 5 9 15.03	+18.241	+ 2
58	[Sculpt. 129 G.]	5.64	A o	1 39 8.361	+2.6426	− 57	−37 9 53.35	+18.175	− 23
57	φ Persei	4.19	B o p	1 39 30.674	+3.7541	+ 26	+50 21 25.15	+18.169	− 15
59	τ Ceti	3.65	K o	1 41 0.100	+2.7870	−1194	−16 17 4.48	+18.981	+853
60	o Piscium	4.50	K o	1 41 54.322	+3.1669	+ 47	+ 8 49 34.30	+18.145	+ 50
61	Lac. ε Sculpt.	5.39	F o	1 42 33.228	+2.8086	+ 99	−25 22 56.07	+17.996	− 75
62	ζ Ceti	3.92	K o	1 48 12.094	+2.9608	+ 22	−10 39 37.73	+17.817	− 34
64	α Trianguli	3.58	F 5	1 49 18.791	+3.4178	+ 11	+29 15 29.00	+17.574	−233
63	ε Cassiopeiae	3.44	B 3	1 49 37.460	+4.3034	+ 50	+63 20 45.76	+17.779	− 15
65	ξ Piscium	4.84	K o	1 50 8.187	+3.1052	+ 13	+ 2 51 44.22	+17.793	+ 19
66	β Arietis	2.72	A 5	1 50 59.338	+3.3119	+ 65	+20 29 10.12	+17.630	−109
67	ψ Phoenicis	4.41	M b	1 51 0.052	+2.4050	− 94	−46 37 32.31	+17.638	−101
69	[η² Hydri]	4.72	K o	1 53 15.573	+1.5184	+ 119	−67 58 17.75	+17.725	+ 79
68	χ Eridani	3.73	G 5	1 53 23.344	+2.3339	+ 711	−51 56 14.20	+17.910	+270
72	α Hydri	3.02	F o	1 56 41.367	+1.8896	+ 361	−61 53 26.48	+17.522	+ 21
71	υ Ceti	4.18	M a	1 56 53.704	+2.8264	+ 91	−21 23 48.95	+17.479	− 14
70	50 Cassiopeiae	4.06	A 2	1 57 45.404	+5.0976	− 91	+72 6 11.29	+17.481	+ 25
73	γ Androm.	2.28 5.08	K o A o	1 59 50.319	+3.6784	+ 43	+42 0 49.79	+17.312	− 54
74	α Arietis	2.23	K 2	2 3 26.840	+3.3798	+ 137	+23 9 4.43	+17.063	−143
75	β Trianguli	3.08	A 5	2 5 36.527	+3.5669	+ 122	+34 40 33.57	+17.068	− 40
77	[6 Persei]	5.40	K o	2 9 12.183	+3.9840	+ 368	+50 45 36.75	+16.773	−169
76	55 Cassiopeiae	6.15	F 5 + A 2	2 9 16.564	+4.6929	− 10	+66 12 58.86	+16.942	+ 3
78	Lac. μ Forn.	5.24	A o	2 10 0.129	+2.6423	+ 13	−31 1 58.30	+16.907	+ 2
79	[γ Trianguli]	4.07	A o	2 13 23.007	+3.5637	+ 37	+33 32 34.73	+16.700	− 44

Mittlere Sternörter 1934.0

Nr.	Name	Gr.	Spektrum	AR. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
		M		h m s	s		° ′ ″	″	
80	67 Ceti	5.70	G 5	2 13 41.388	+2.9916	+ 55	− 6 43 32.04	+16.620	−110
82	[φ Eridani]	3.78	B 8	2 14 9.040	+2.1423	+ 81	−51 49 2.34	+16.671	− 36
81	[ϑ Arietis]	5.69	A 0	2 14 26.986	+3.3354	− 10	+19 35 48.08	+16.691	− 2
83	[κ Fornacis]	5.37	F 5	2 19 31.343	+2.7451	+ 142	−24 6 56.15	+16.380	− 63
84	[λ Horologii]	5.47	F 2	2 23 3.127	+1.6771	− 95	−60 36 25.17	+16.127	−137
86	[κ Eridani]	4.44	B 5	2 24 33.864	+2.1975	− 2	−47 59 58.90	+16.164	− 23
85	ξ² Ceti	4.34	A 0	2 24 38.810	+3.1887	+ 26	+ 8 9 54.50	+16.178	− 4
88	[λ¹ Fornacis]	5.88	K 0	2 30 21.774	+2.4992	− 43	−34 56 23.21	+15.851	− 32
87	36 H. Cassiop.	5.34	K 0	2 31 42.787	+5.6770	− 60	+72 31 52.71	+15.832	+ 21
90	μ Hydri	5.29	K 0	2 33 1.475	−1.3000	+ 469	−79 23 51.05	+15.706	− 33
89	ν Arietis	5.36	A 2	2 35 3.812	+3.4047	− 9	+21 40 37.29	+15.613	− 16
91	δ Ceti	4.04	B 2	2 36 5.834	+3.0743	+ 7	+ 0 2 40.91	+15.570	− 2
95	[ε Hydri]	4.26	B 9	2 38 34.055	+0.9200	+ 168	−68 32 58.14	+15.439	+ 5
92	[Br 366]	5.84	A 2	2 39 7.066	+5.1443	+ 25	+67 32 44.89	+15.375	− 29
94	[35 Arietis]	4.58	B 3	2 39 34.368	+3.5181	+ 4	+27 25 38.70	+15.372	− 7
93	ϑ Persei	4.22	F 8	2 39 40.814	+4.0923	+ 346	+48 57 1.86	+15.284	− 89
96	[γ Ceti]	3.58	A 2	2 39 52.684	+3.1075	− 98	+ 2 57 30.93	+15.213	−148
97	π Ceti	4.39	B 5	2 40 58.825	+2.8547	− 8	−14 8 14.29	+15.290	− 9
98	μ Ceti	4.36	F 0	2 41 22.250	+3.2418	+ 189	+ 9 50 11.29	+15.246	− 31
99	[η Persei]	3.93	K 0	2 45 52.038	+4.3691	+ 28	+55 37 22.71	+15.009	− 11
100	41 Arietis	3.68	B 8	2 46 5.594	+3.5292	+ 51	+26 59 22.60	+14.893	−113
101	β Fornacis	4.50	K 0	2 46 19.658	+2.5103	+ 63	−32 40 56.37	+15.152	+159
102	τ² Eridani	4.81	K 0	2 48 2.649	+2.7208	− 39	−21 16 31.49	+14.864	− 29
103	τ Persei	4.06	G 0 + A 5	2 49 33.895	+4.2471	+ 3	+52 29 37.53	+14.802	− 2
104	η Eridani	4.05	K 0	2 53 12.103	+2.9304	+ 52	− 9 9 35.67	+14.369	−218
106	ϑ Eridani	3.42 4.42	A 2	2 55 45.381	+2.2724	− 67	−40 34 5.93	+14.461	+ 28
105	47 H. Cephei	5.66	M a	2 57 13.772	+7.9365	− 113	+79 9 38.34	+14.366	+ 22
107	α Ceti	2.82	M a	2 58 49.592	+3.1350	− 9	+ 3 49 54.59	+14.169	− 76
108	γ Persei	3.08	F 5 + A 3	3 0 0.159	+4.3385	+ 2	+53 14 57.93	+14.169	− 4
109	*ρ Persei	var.	M b	3 0 56.358	+3.8414	+ 114	+38 35 9.09	+14.012	−104
110	μ Horologii	5.16	F 0	3 2 3.223	+1.4105	− 117	−59 59 36.05	+13.978	− 68
113	[ϑ Hydri]	5.52	B 8	3 2 6.279	+0.1153	+ 51	−72 9 36.32	+14.065	+ 22
111	*β Persei	var.	B 8	3 3 51.973	+3.9001	+ 7	+40 42 9.80	+13.931	− 1
112	[ι Persei]	4.17	G 0	3 4 17.529	+4.3240	+1297	+49 21 45.39	+13.821	− 84
114	δ Arietis	4.53	K 0	3 7 51.034	+3.4290	+ 106	+19 28 41.98	+13.676	− 4
117	12 Eridani	3.95	F 8	3 9 15.945	+2.5471	+ 241	−29 14 47.00	+14.232	+644
116	[94 Ceti]	5.14	F 8	3 9 24.260	+3.0619	+ 136	− 1 26 30.80	+13.518	− 62
118	[Horol. 38 G.]	5.72	N a	3 10 52.560	+1.5165	− 5	−57 34 6.22	+13.479	− 6
115	48 H. Cephei	5.50	F 0	3 11 52.323	+7.5665	+ 183	+77 29 42.47	+13.376	− 44
119	[e Eridani]	4.30	G 5	3 17 17.542	+2.3958	+2785	−43 19 17.71	+13.794	+730

Nr. 109. Größe: Max. 3.3, Min. 4.1   Nr. 111. Größe: Max. 2.3, Min. 3.5

Nr.	Name	Gr.	Spektrum	AR. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
		M		h m s	s		° ' "	"	
120	α Persei	1.90	F 5	3 19 35.983	+4.2781	+ 29	+49 37 40.09	+12.885	− 26
121	ο Tauri	3.80	G 5	3 21 15.519	+3.2277	− 44	+ 8 47 51.90	+12.723	− 76
123	[ξ Tauri]	3.75	B 8	3 23 35.348	+3.2505	+ 39	+ 9 30 13.06	+12.597	− 45
122	2 H. Camelop.	4.42	B 9 p	3 23 42.437	+4.8491	− 1	+59 42 44.01	+12.641	+ 6
124	[σ Persei]	4.55	K 0	3 25 54.694	+4.2256	+ 9	+47 46 8.34	+12.507	+ 23
125	*f* Tauri	4.28	K 0	3 27 13.549	+3.3111	+ 13	+12 42 41.88	+12.388	− 5
126	[κ Reticuli]	4.80	F 5	3 28 12.987	+1.0410	+514	−63 10 11.88	+12.686	+360
127	ε Eridani	3.81	K 0	3 29 49.195	+2.8265	−658	− 9 40 50.57	+12.228	+ 13
128	[Horol. 45 G.]	5.60	K 0	3 30 36.362	+1.7845	+ 48	−50 36 6.96	+12.240	+ 80
130	[*y* Eridani]	4.58	K 0	3 34 43.497	+2.1521	− 16	−40 29 25.09	+11.847	− 24
129	[Grb 716]	5.32	M a	3 36 24.512	+5.1958	− 21	+63 0 17.44	+11.775	+ 22
131	δ Persei	3.10	B 5	3 38 12.983	+4.2675	+ 33	+47 34 41.30	+11.589	− 35
133	[δ Fornacis]	4.93	B 5	3 39 37.333	+2.3854	− 5	−32 8 54.32	+11.531	+ 7
135	[δ Eridani]	3.72	K 0	3 40 5.108	+2.8738	− 64	− 9 59 8.47	+12.238	+747
132	[ο Persei]	3.94	B 1	3 40 10.463	+3.7603	+ 8	+32 4 49.89	+11.467	− 17
134	ν Persei	3.93	F 5	3 40 42.152	+4.0730	− 6	+42 22 17.73	+11.442	− 5
136	[17 Tauri]	3.81	B 5 p	3 40 57.118	+3.5613	+ 17	+23 54 26.02	+11.385	− 44
137	[24 Eridani]	5.09	B 8	3 41 9.253	+3.0468	+ 1	− 1 22 12.61	+11.406	− 8
138	5 H. Camelop.	4.67	A 0	3 43 21.444	+6.3125	+ 42	+71 7 52.95	+11.215	− 40
141	β Reticuli	3.80	K 0	3 43 21.908	+0.7478	+477	−65 0 52.39	+11.315	+ 61
139	η Tauri	2.96	B 5 p	3 43 33.423	+3.5650	+ 17	+23 54 8.64	+11.193	− 48
140	τ^6 Eridani	4.33	F 8	3 44 0.422	+2.5802	−123	−23 26 36.85	+10.689	−519
142	[27 Tauri]	3.80	B 8	3 45 14.004	+3.5659	+ 14	+23 51 10.79	+11.074	− 45
143	*g* Eridani	4.24	K 0	3 46 59.037	+2.2452	− 40	−36 23 57.40	+10.940	− 52
146	γ Hydri	3.17	M a	3 48 14.419	−0.9426	+124	−74 26 30.39	+11.008	+109
144	ζ Persei	2.91	B 1	3 49 58.698	+3.7698	+ 11	+31 41 20.82	+10.760	− 11
145	*9 H. Camelop.	5.22	K 0 + A 0	3 51 29.605	+5.1073	− 3	+60 55 2.97	+10.643	− 16
147	ε Persei	2.96	B 1	3 53 25.102	+4.0237	+ 23	+39 49 15.02	+10.487	− 29
148	ξ Persei	4.05	Oe 5	3 54 40.634	+3.8912	+ 10	+35 36 9.75	+10.414	− 8
149	γ Eridani	3.19	K 5	3 54 56.934	+2.7989	+ 42	−13 41 42.76	+10.290	−112
150	*λ Tauri	var.	B 3	3 57 1.239	+3.3230	− 5	+12 18 18.59	+10.233	− 13
151	ν Tauri	3.94	A 0	3 59 38.592	+3.1910	+ 4	+ 5 48 26.53	+10.039	− 10
153	[Erid. 174 G.]	5.57	A 5	4 2 54.158	+2.4724	+148	−27 49 52.77	+ 9.909	+108
152	*c* Persei	4.03	B 3 p	4 3 51.747	+4.3530	+ 33	+47 32 16.94	+ 9.696	− 32
154	o^1 Eridani	4.14	F 2	4 8 38.553	+2.9285	+ 8	− 7 0 30.61	+ 9.442	+ 82
155	α Horologii	3.83	K 0	4 11 48.722	+1.9861	+ 20	−42 27 23.23	+ 8.895	−219
156	α Reticuli	3.36	G 5	4 13 34.143	+0.7692	+ 50	−62 38 19.26	+ 9.024	+ 47
157	[γ Doradus]	4.36	F 5	4 14 17.616	+1.5692	+ 89	−51 39 9.46	+ 9.092	+171
160	υ^4 Eridani	3.59	B 9	4 15 23.682	+2.2689	+ 37	−33 57 31.09	+ 8.822	− 12
159	[γ Tauri]	3.86	K 0	4 16 2.075	+3.4135	+ 82	+15 28 10.56	+ 8.755	− 29

Nr. 145. Doppelstern, Größe der Komponenten: 5.0 und 8.2

Nr. 150. Größe: Max. 3.3, Min. 4.2

Mittlere Sternörter 1934.0

Nr.	Name	Gr.	Spektrum	AR. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
		M		h m s	s		° ′ ″	″	
158	[54 Persei]	5.10	G 5	4 16 7.201	+3.8939	− 20	+34 24 32.48	+8.771	− 6
161	[Erid. 212 G.]	5.31	A 0	4 17 46.305	+2.6187	+ 36	−20 47 44.41	+8.663	+ 15
162	δ Tauri	3.93	K 0	4 19 7.547	+3.4594	+ 78	+17 23 20.91	+8.509	− 31
163	[η Reticuli]	5.18	K 0	4 21 10.233	+0.6463	+127	−63 32 34.54	+8.538	+160
166	[δ Mensae]	5.62	K 0 p	4 22 23.304	−4.0890	+100	−80 22 12.52	+8.353	+ 71
164	ε Tauri	3.63	K 0	4 24 45.608	+3.5028	+ 80	+19 2 8.01	+8.056	− 35
165	*[1 Camel. seq.]	5.42	B 1	4 26 47.653	+4.7486	+ 7	+53 46 9.91	+7.929	0
167	[δ Caeli]	5.16	B 3	4 28 48.705	+1.8364	− 6	−45 5 41.33	+7.750	− 17
168	α Tauri	1.06	K 5	4 32 7.860	+3.4420	+ 48	+16 22 41.12	+7.309	−189
171	α Doradus	3.47	A 0 p	4 32 34.204	+1.2969	+ 71	−55 10 50.51	+7.466	+ 3
170	[υ² Eridani]	3.88	K 0	4 32 58.991	+2.3316	− 46	−30 41 46.86	+7.423	− 6
169	ν Eridani	4.12	B 2	4 33 1.196	+2.9976	+ 2	− 3 29 10.08	+7.421	− 4
172	53 Eridani	3.98	K 0	4 35 9.383	+2.7469	− 54	−14 25 55.03	+7.088	−164
174	τ Tauri	4.33	B 5	4 38 16.878	+3.6007	+ 5	+22 49 54.64	+6.977	− 19
173	Grb 848	6.04	F 0	4 39 55.026	+8.0541	+105	+75 49 28.51	+6.729	−134
176	[μ Eridani]	4.18	B 5	4 42 12.079	+3.0000	+ 13	− 3 22 27.59	+6.663	− 12
175	4 Camelop.	5.35	A 2	4 42 29.809	+4.9938	+ 60	+56 38 31.74	+6.503	−146
177	[μ Mensae]	5.69	B 9	4 43 42.911	−0.6040	+ 17	−71 3 8.38	+6.578	+ 28
178	9 Camelop.	4.38	B 0	4 47 28.468	+5.9573	+ 5	+66 13 59.76	+6.247	+ 10
179	[π⁴ Orionis]	3.78	B 3	4 47 41.355	+3.1951	0	+ 5 29 36.69	+6.212	− 7
180	π⁵ Orionis	3.87	B 3	4 50 48.714	+3.1248	− 2	+ 2 20 2.08	+5.957	− 3
181	ι Aurigae	2.90	K 2	4 52 41.557	+3.9066	+ 10	+33 3 47.94	+5.782	− 20
183	*ε Aurigae	var.	F 5 p	4 57 13.723	+4.3041	+ 6	+43 43 38.82	+5.408	− 14
182	10 Camelop.	4.22	G 0 p	4 57 32.316	+5.3336	− 1	+60 20 53.53	+5.384	− 12
184	ι Tauri	4.70	A 5	4 59 8.937	+3.5862	+ 53	+21 29 50.24	+5.217	− 43
185	η Aurigae	3.28	B 3	5 1 52.982	+4.2065	+ 33	+41 8 49.43	+4.957	− 71
186	ε Leporis	3.29	K 5	5 2 39.999	+2.5398	+ 20	−22 27 30.64	+4.894	− 68
187	[η² Pictoris]	4.92	K 5	5 3 15.169	+1.5507	+ 35	−49 39 58.93	+4.918	+ 6
189	[ζ Doradus]	4.76	F 8	5 4 22.479	+1.0250	− 70	−57 33 45.09	+4.920	+103
188	β Eridani	2.92	A 3	5 4 36.259	+2.9496	− 59	− 5 10 13.57	+4.719	− 79
190	[λ Eridani]	4.34	B 2	5 5 59.232	+2.8712	+ 3	− 8 50 14.79	+4.676	− 4
192	μ Aurigae	4.78	A 3	5 8 54.538	+4.1048	− 13	+38 24 29.25	+4.353	− 79
194	β Orionis	0.34	B 8 p	5 11 21.897	+2.8831	+ 2	− 8 16 35.70	+4.222	0
191	19 H. Camelop.	5.16	F 8	5 11 38.447	+9.8656	−310	+79 9 35.51	+4.359	+161
193	α Aurigae	0.21	G 0	5 11 48.608	+4.4315	+ 84	+45 55 58.31	+3.756	−428
196	ϑ Doradus	4.78	K 0	5 13 48.183	−0.0491	+ 15	−67 15 34.40	+4.052	+ 39
195	[τ Orionis]	3.68	B 5	5 14 24.042	+2.9130	− 12	− 6 54 51.86	+3.955	− 7
197	[ο Columbae]	4.91	K 0	5 15 6.168	+2.1629	+ 62	−34 57 31.06	+3.573	−329
198	[Columb. 12 G.]	5.75	A 0	5 16 45.853	+2.3923	+ 8	−27 26 8.44	+3.748	− 11
199	[ζ Pictoris]	5.52	F 8	5 17 44.850	+1.4703	+ 9	−50 40 34.39	+3.901	+227

Nr. 165. Doppelstern, Größe der Komponenten: 5.86 und 6.61

Nr. 183. Größe: Max. 3.4, Min. 4.1

Nr.	Name	Gr.	Spektrum	AR. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
		M		h m s	s		° ' "	"	
200	[η Orion. med.]	3.44	B 1	5 21 9.491	+3.0169	+ 5	− 2 27 23.26	+3.382	+ 1
201	γ Orionis	1.70	B 2	5 21 35.413	+3.2180	− 3	+ 6 17 28.46	+3.323	− 20
202	β Tauri	1.78	B 8	5 22 7.098	+3.7927	+ 25	+28 33 12.33	+3.121	−177
203	17 Camelop.	5.75	K 5	5 23 55.825	+5.6644	− 3	+63 0 52.90	+3.140	− 1
204	[β Leporis]	2.96	G 0	5 25 25.049	+2.5713	+ 4	−20 48 39.55	+2.920	− 93
206	δ Orionis	2.48 6.87	B 0	5 28 38.022	+3.0649	0	− 0 20 47.77	+2.733	− 2
207	α Leporis	2.69	F 0	5 29 49.116	+2.6461	+ 2	−17 52 6.06	+2.634	+ 2
205	Grb 966	6.36	K 5	5 30 53.285	+8.0203	− 8	+75 0 13.55	+2.559	+ 20
208	[φ¹ Orionis]	4.53	B 0	5 31 11.772	+3.2934	− 1	+ 9 26 46.58	+2.502	− 10
209	ι Orionis	2.87	Oe 5	5 32 12.248	+2.9351	+ 4	− 5 57 7.09	+2.421	− 4
210	ε Orionis	1.75	B 0	5 32 51.817	+3.0443	+ 1	− 1 14 33.78	+2.365	− 3
212	β Doradus	3.81	F 5 p	5 33 2.983	+0.5189	− 13	−62 31 58.15	+2.349	− 2
211	ζ Tauri	3.00	B 3 p	5 33 41.963	+3.5859	+ 6	+21 6 13.96	+2.270	− 26
214	[γ Mensae]	5.06	K 0	5 34 29.161	−2.3833	+284	−76 23 20.31	+2.525	+298
213	[σ Orionis]	3.78	B 0	5 35 25.919	+3.0118	0	− 2 38 12.51	+2.144	− 1
215	α Columbae	2.75	B 5 p	5 37 15.473	+2.1723	− 2	−34 6 30.48	+1.948	− 37
216	ο Aurigae	5.52	A 0	5 40 47.156	+4.6481	− 6	+49 47 58.06	+1.670	− 9
217	[γ Leporis]	3.80	F 8	5 41 42.733	+2.5020	−201	−22 28 7.86	+1.222	−375
218	[130 Tauri]	5.51	F 0	5 43 35.286	+3.4988	+ 4	+17 42 21.65	+1.428	− 6
219	ζ Leporis	3.67	A 2	5 43 57.858	+2.7184	− 12	−14 50 43.10	+1.400	− 2
220	κ Orionis	2.20	B 0	5 44 37.552	+2.8456	+ 4	− 9 41 30.40	+1.341	− 3
221	[ν Aurigae]	4.18	K 0	5 46 54.862	+4.1579	− 4	+39 7 52.06	+1.155	+ 11
222	[δ Leporis]	3.90	K 0	5 48 28.960	+2.5802	+165	−20 53 0.93	+0.354	−653
223	[β Columbae]	3.22	K 0	5 48 37.895	+2.1141	+ 34	−35 47 31.63	+1.398	+404
224	α Orionis	0.92	M a	5 51 35.890	+3.2484	+ 20	+ 7 23 46.78	+0.748	+ 13
226	[η Leporis]	3.77	F 0	5 53 23.914	+2.7329	− 27	−14 10 42.57	+0.717	+140
225	δ Aurigae	3.88	K 0	5 54 5.551	+4.9407	+100	+54 16 55.07	+0.394	−122
227	β Aurigae	2.07	A 0 p	5 54 41.262	+4.4020	− 42	+44 56 33.67	+0.457	− 8
228	ϑ Aurigae	2.71	A 0 p	5 55 13.250	+4.0923	+ 49	+37 12 35.13	+0.331	− 87
229	η Columbae	4.03	K 0	5 57 7.589	+1.8371	+ 22	−42 49 5.63	+0.218	− 34
230	[66 Orionis]	5.70	K 0	6 1 29.089	+3.1697	− 6	+ 4 9 49.32	−0.145	− 15
231	[Puppis 1 G.]	6.22	F 8	6 2 34.421	+1.7269	− 83	−45 2 8.29	+0.007	+232
232	ν Orionis	4.40	B 2	6 3 48.237	+3.4265	+ 11	+14 46 39.99	−0.364	− 31
233	[36 Camelop.]	5.39	K 0	6 6 12.654	+6.0356	− 5	+65 44 3.59	−0.572	− 29
235	[δ Pictoris]	4.84	B 1	6 9 0.691	+1.1671	− 22	−54 57 12.64	−0.795	− 7
236	*η Geminor.	var.	M a	6 10 53.647	+3.6224	− 42	+22 31 39.43	−0.965	− 13
234	22 H. Camelop.	4.73	A 0	6 11 34.657	+6.6149	+ 15	+69 20 46.30	−1.114	−102
239	[α Mensae]	5.14	K 0	6 12 12.156	−1.7918	+234	−74 43 52.90	−1.293	−227
237	[2 Lyncis]	4.42	A 0	6 13 48.112	+5.2955	− 7	+59 2 14.39	−1.177	+ 29
238	[κ Columbae]	4.51	K 0	6 14 12.214	+2.1344	− 6	−35 7 3.71	−1.167	+ 74

Nr. 236. Größe: Max. 3.3, Min. 4.2

Mittlere Sternörter 1934.0

Nr.	Name	Gr.	Spektrum	AR. 1934.0	Jährl. Verände-rung	Jährl. Eigen-bew. in 0s.0001	Dekl. 1934.0	Jährl. Verände-rung	Jährl. Eigen-bew. in 0".001
		M		h m s	s		° ' "	"	
240	ζ Canis maj.	3.10	B 3	6 17 46.723	+ 2.3030	+ 2	−30 1 58.59	−1.550	+ 4
241	μ Geminor.	3.19	M a	6 18 58.108	+ 3.6307	+ 48	+22 32 57.00	−1.768	− 111
243	β Canis maj.	1.99	B 1	6 19 47.565	+ 2.6420	− 4	−17 55 18.85	−1.727	+ 2
242	ψ¹ Aurigae	5.10	K 2	6 19 49.045	+ 4.6229	+ 9	+49 19 25.43	−1.734	− 3
244	8 Monocer.	4.48 6.54	A 5	6 20 16.270	+ 3.1800	− 7	+ 4 37 39.95	−1.767	+ 4
245	α Argus	−0.86	F 0	6 22 29.128	+ 1.3315	+ 16	−52 39 32.62	−1.952	+ 11
246	10 Monocer.	4.98	B 3	6 24 42.031	+ 2.9631	− 2	− 4 43 11.87	−2.151	+ 5
247	8 Lyncis	6.05	G 0	6 31 39.807	+ 5.4864	−285	+61 32 30.02	−3.037	− 277
249	ξ² Canis maj.	4.54	A 0	6 32 17.384	+ 2.5143	+ 5	−22 54 40.98	−2.801	+ 13
251	γ Geminor.	1.93	A 0	6 33 53.999	+ 3.4668	+ 34	+16 27 25.81	−3.000	− 46
250	51 Aurigae	5.71	K 0	6 34 5.240	+ 4.1586	− 19	+39 27 3.11	−3.085	− 114
248	23 H. Camelop.	5.60	F 8	6 35 0.306	+10.2678	−299	+79 38 25.73	−3.671	− 622
252	ν Argus	3.18	B 8	6 35 44.478	+ 1.8357	− 4	−43 8 14.68	−3.133	− 20
253	*S Monocer.	4.68	Oe 5	6 37 20.651	+ 3.3051	+ 6	+ 9 57 29.84	−3.257	− 5
254	ε Geminor.	3.18	G 5	6 39 52.390	+ 3.6926	+ 3	+25 11 53.37	−3.484	− 15
256	ξ Geminor.	3.40	F 5	6 41 35.161	+ 3.3681	− 75	+12 58 5.55	−3.816	− 199
255	[ψ⁵ Aurigae]	5.34	G 0	6 41 59.116	+ 4.3268	+ 7	+43 38 41.80	−3.498	+ 154
257	*α Canis maj.	−1.58	A 0	6 42 14.479	+ 2.6436	−371	−16 37 27.88	−4.885	−1211
258	18 Monocer.	4.70	K 0	6 44 25.234	+ 3.1297	− 2	+ 2 29 8.50	−3.881	− 20
264	[ζ Mensae]	5.64	A 2	6 45 34.291	− 4.9701	− 33	−80 44 44.84	−3.875	+ 85
259	[43 Camelop.]	5.13	B 5	6 46 35.988	+ 6.4783	+ 16	+68 58 4.34	−4.045	+ 3
262	α Pictoris	3.30	A 5	6 47 30.937	+ 0.6171	−100	−61 52 12.88	−3.870	+ 256
263	[τ Argus]	2.83	K 0	6 48 17.887	+ 1.4887	+ 29	−50 32 8.20	−4.289	− 96
261	ϑ Geminor.	3.64	A 2	6 48 26.491	+ 3.9564	+ 7	+34 2 33.14	−4.260	− 55
260	[24 H. Camel.]	4.75	K 5	6 50 28.180	+ 8.7724	+216	+77 3 55.35	−4.392	− 14
266	ϑ Canis maj.	4.25	K 2	6 51 7.415	+ 2.7877	− 94	−11 57 16.92	−4.447	− 13
265	15 Lyncis	4.54	G 0	6 51 34.079	+ 5.1995	− 1	+58 30 41.86	−4.602	− 130
267	[ι Volantis]	5.52	B 8	6 52 12.652	− 0.6828	− 4	−70 52 53.57	−4.515	+ 12
268	ε Canis maj.	1.63	B 1	6 56 1.870	+ 2.3578	0	−28 52 52.31	−4.851	+ 1
269	*ζ Geminor.	var.	G 0 p	7 0 11.772	+ 3.5597	0	+20 40 7.39	−5.207	− 3
270	[o² Canis maj.]	3.12	B 5 p	7 0 16.104	+ 2.5054	− 2	−23 44 8.77	−5.210	0
271	γ Canis maj.	4.07	B 5	7 0 46.388	+ 2.7153	+ 8	−15 32 4.54	−5.265	− 12
272	[Carinae 27 G.]	5.30	A 0	7 3 4.419	+ 1.1166	− 24	−56 38 56.56	−5.454	− 7
273	δ Canis maj.	1.98	F 8 p	7 5 42.419	+ 2.4391	− 8	−26 17 14.41	−5.665	+ 3
274	63 Aurigae	5.07	K 2	7 7 7.172	+ 4.1295	+ 45	+39 25 48.16	−5.786	0
275	[J Puppis]	4.47	F 0	7 10 40.647	+ 1.7096	−147	−46 38 54.31	−5.993	+ 91
276	[64 Aurigae]	5.75	A 3	7 13 27.144	+ 4.1752	− 3	+41 0 8.16	−6.311	+ 3
277	λ Geminor.	3.65	A 2	7 14 18.096	+ 3.4489	− 31	+16 39 39.18	−6.429	− 44
278	π Argus	2.74	K 5	7 14 48.654	+ 2.1186	− 14	−36 58 41.02	−6.425	+ 3
279	δ Geminor.	3.51	F 0	7 16 11.026	+ 3.5850	− 11	+22 6 19.81	−6.551	− 10

Nr. 253. Doppelstern, Größe der Komponenten: 6.0 und 8.8. Nr. 257. Ort des Schwerpunktes. Die Reduktion auf den Hauptstern ist nach den Elementen von Auwers A. N. 3085

1934.0 $\Delta\alpha = -0^s.111$ $\Delta\delta = -2''.20$

1935.0 $= -0.094$ $= -2.14$

Nr. 269. Größe: Max. 3.7, Min. 4.3

Nr.	Name	Gr.	Spektrum	AR. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
		M		h m s	s		° ′ ″	″	
281	δ Volantis	4.02	F 5	7 16 52.257	−0.0242	+ 4	−67 50 11.68	− 6.610	− 12
280	19 Lyncis seq.	5.61	B 8	7 17 29.410	+4.9008	− 1	+55 24 28.27	− 6.683	− 34
283	[η Can. maj.]	2.43	B 5 p	7 21 29.052	+2.3731	− 5	−29 10 23.37	− 6.964	+ 13
282	ι Geminor.	3.89	K 0	7 21 37.845	+3.7286	− 83	+27 55 51.29	− 7.075	− 85
285	β Canis min.	3.09	B 8	7 23 34.378	+3.2547	− 31	+ 8 25 25.42	− 7.189	− 40
284	Grb 1308	5.80	K 0	7 24 1.843	+6.2559	− 7	+68 36 11.21	− 7.230	− 44
286	ρ Geminor.	4.18	F 0	7 24 52.175	+3.8611	+122	+31 55 3.12	− 7.072	+ 183
287	*α Geminor.	2.85 1.99	A 0	7 30 23.447	+3.8320	−129	+32 2 7.48	− 7.783	− 81
288	[Pupp. 108 G.]	4.52	F 8	7 31 13.630	+2.5675	− 39	−22 9 10.00	− 7.752	+ 18
289	25 Monocer.	5.17	F 5	7 33 59.841	+2.9833	− 47	− 3 57 44.34	− 7.972	+ 20
290	[*f* Puppis]	4.62	B 8	7 34 55.527	+2.2195	− 27	−34 49 8.67	− 8.050	+ 16
291	*α Canis min.	0.48	F 5	7 35 50.891	+3.1413	−470	+ 5 23 43.86	− 9.168	−1027
292	24 Lyncis	4.96	A 2	7 37 26.038	+5.0836	− 47	+58 52 0.88	− 8.320	− 53
293	[26 Monocer.]	4.07	K 0	7 38 5.619	+2.8661	− 57	− 9 23 45.48	− 8.341	− 21
294	ϰ Geminor.	3.68	G 5	7 40 27.987	+3.6243	− 15	+24 33 28.09	− 8.562	− 54
295	β Geminor.	1.21	K 0	7 41 16.839	+3.6735	−468	+28 11 13.72	− 8.624	− 52
297	ζ Volantis	3.89	K 0	7 42 38.432	−0.7343	+ 8	−72 26 52.51	− 8.672	+ 8
296	π Geminor.	5.29	K 2	7 43 15.341	+3.8715	− 1	+33 34 45.44	− 8.759	− 31
298	[Pupp. 205 G.]	5.34	G 0	7 48 42.959	+2.7786	− 41	−13 43 18.37	− 9.498	− 343
299	[26 Lyncis]	5.69	K 0	7 49 54.834	+4.3735	− 40	+47 44 14.73	− 9.255	− 6
301	[α Puppis]	3.76	G 5	7 49 56.850	+2.0621	− 18	−40 24 16.91	− 9.250	+ 1
300	Grb 1374	5.56	K 0	7 52 20.002	+7.2079	− 31	+74 5 49.96	− 9.468	− 32
303	χ Argus	3.60	B 3	7 55 6.109	+1.5265	− 32	−52 48 16.30	− 9.625	+ 24
302	[53 Camelop.]	6.00	A 2 p	7 56 5.173	+5.1358	− 30	+60 30 24.85	− 9.745	− 21
304	[27 Monocer.]	5.06	K 0	7 56 26.429	+2.9989	− 27	− 3 29 53.76	− 9.742	+ 9
305	χ Geminor.	5.04	K 0	7 59 28.117	+3.6871	− 15	+27 58 51.04	−10.027	− 46
306	ζ Argus	2.27	O d	8 1 15.798	+2.1079	− 34	−39 48 58.97	−10.107	+ 10
307	27 Lyncis	4.87	A 2	8 3 30.154	+4.5192	− 59	+51 41 55.40	−10.290	− 4
308	ι Navis	2.88	F 5	8 4 43.964	+2.5549	− 64	−24 6 46.92	−10.332	+ 47
309	γ Argus	2.22	O a p	8 7 29.876	+1.8488	− 12	−47 8 29.08	−10.589	− 4
311	20 Navis	5.05	G 5	8 10 17.977	+2.7580	− 8	−15 35 17.92	−10.798	− 6
310	Br 1147	5.73	G 5	8 11 18.029	+7.5696	+ 58	+75 57 40.81	−10.849	+ 17
312	β Cancri	3.76	K 2	8 12 56.278	+3.2548	− 30	+ 9 23 24.72	−11.037	− 52
313	[*q* Puppis]	4.43	A 5	8 16 4.974	+2.2444	−104	−36 27 14.19	−11.126	+ 89
314	31 Lyncis	4.43	K 5	8 18 19.501	+4.1126	− 8	+43 24 4.70	−11.484	− 108
315	ε Argus	1.74	K 0 + B	8 21 9.726	+1.2331	− 32	−59 17 47.51	−11.565	+ 15
316	Br 1197	3.95	A 0	8 22 21.832	+2.9988	− 41	− 3 41 23.73	−11.686	− 21
318	ϑ Chamael.	4.26	K 0	8 22 39.076	−1.7794	−458	−77 16 20.15	−11.655	+ 31
317	o Ursae maj.	3.47	G 0	8 24 47.890	+4.9961	−174	+60 56 26.40	−11.948	− 110
319	[β Volantis]	3.65	K 0	8 25 1.490	+0.6568	− 55	−65 54 59.55	−12.031	− 177

Nr. 287. Rektaszension der Mitte, Deklination des folgenden, helleren Sterns. Nr. 291. Ort des Schwerpunktes. Die Reduktion auf den Ort des hellen Sterns beträgt nach den Elementen von Auwers A. N. 3929

1934.0 $\Delta\alpha = +0^s.067$ $\Delta\delta = -0''.17$

1935.0 $= +0.066$ $= -0.28$

Mittlere Sternörter 1934.0

Nr.	Name	Gr.	Spektrum	AR. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0″.001
		M		h m s	s		° ′ ″	″	
320	Grb 1450	6.05	K 0	8 28 37.939	+3.9040	— 83	+38 14 39.16	—12.277	—170
321	η Cancri	5.52	K 0	8 28 53.745	+3.4718	— 26	+20 39 59.84	—12.175	— 50
322	[Grb 1446]	6.29	K 0	8 32 24.929	+6.7034	— 37	+73 51 46.09	—12.473	—104
323	[Grb 1460]	6.03	K 0	8 34 24.869	+4.4522	— 38	+52 56 39.96	—12.541	— 35
324	[e Velorum]	4.13	A 5	8 35 19.298	+2.1083	— 22	—42 45 27.19	—12.575	— 7
325	[6 Hydrae]	5.15	K 2	8 36 53.832	+2.8420	— 64	—12 14 27.68	—12.678	— 3
326	δ Cancri	4.17	K 0	8 40 56.262	+3.4114	— 9	+18 23 52.92	—13.183	—236
327	α Pyxidis	3.70	B 2	8 40 56.358	+2.4104	— 15	—32 56 51.17	—12.935	+ 12
328	ι Cancri	6.61 4.20	A 5 G 5	8 42 42.501	+3.6336	— 12	+29 0 9.29	—13.112	— 47
330	δ Argus	2.01	A 0	8 42 52.888	+1.6570	+ 21	—54 27 58.35	—13.169	— 93
329	[ε Hydrae]	3.48	F 8	8 43 16.978	+3.1785	— 126	+ 6 39 43.60	—13.153	— 50
331	[η Chamael.]	5.62	B 9	8 43 36.600	—2.0076	— 151	—78 43 27.55	—13.090	+ 34
332	[γ Pyxidis]	4.19	K 2	8 47 43.828	+2.5463	— 99	—27 27 50.60	—13.301	+ 94
333	[σ² Cancri med.]	5.60	K 0	8 50 13.381	+3.6635	+ 31	+30 49 49.93	—13.582	— 26
334	ζ Hydrae	3.30	K 0	8 51 54.417	+3.1727	— 64	+ 6 11 52.15	—13.652	+ 12
336	c Carinae	3.98	B 8	8 53 33.231	+1.3615	— 26	—60 23 30.19	—13.717	+ 52
335	ι Ursae maj.	3.12	A 5	8 54 41.954	+4.1141	— 437	+48 18 7.25	—14.088	—246
337	α Cancri	4.27	A 3	8 54 52.816	+3.2829	+ 26	+12 6 51.49	—13.888	— 35
339	10 Ursae maj.	4.09	F 5	8 56 21.858	+3.9002	— 383	+42 2 42.85	—14.210	—264
338	[ρ Ursae maj.]	4.99	M a	8 56 37.351	+5.4292	— 34	+67 53 18.91	—13.948	+ 15
341	κ Ursae maj.	3.68	A 0	8 59 7.778	+4.1024	— 27	+47 25 7.72	—14.184	— 65
340	[Grb 1501]	5.68	A 2	8 59 11.044	+4.4038	— 8	+54 32 43.66	—14.120	+ 3
343	α Volantis	4.18	A 5	9 1 24.560	+0.9498	— 8	—66 7 56.91	—14.374	—114
342	[c Velorum]	3.69	K 0	9 1 52.522	+2.0668	— 70	—46 50 3.99	—14.317	— 28
344	σ² Ursae maj.	4.87	F 8	9 4 36.777	+5.2956	— 16	+67 24 15.46	—14.523	— 67
345	λ Argus	2.22	K 5	9 5 33.961	+2.2052	— 33	—43 9 55.33	—14.504	+ 9
346	[36 Lyncis]	5.30	B 8	9 9 29.766	+3.9296	— 18	+43 29 27.56	—14.791	— 42
347	ϑ Hydrae	3.84	A 0	9 10 55.935	+3.1225	+ 89	+ 2 35 37.24	—15.146	—313
348	β Argus	1.80	A 0	9 12 29.019	+0.6637	— 304	—69 26 42.58	—14.827	+ 97
349	[38 Lyncis]	3.82	A 2	9 14 44.675	+3.7379	— 18	+37 4 58.84	—15.184	—129
350	*83 Cancri	6.60	F 5	9 15 18.078	+3.3505	— 80	+17 59 10.09	—15.222	—135
351	[ι Argus]	2.25	F 0	9 15 19.367	+1.6056	— 35	—58 59 52.11	—15.087	+ 2
352	40 Lyncis	3.30	K 5	9 17 2.431	+3.6584	— 178	+34 40 21.77	—15.175	+ 12
353	κ Argus	2.63	B 3	9 20 4.088	+1.8569	— 22	—54 43 41.67	—15.357	+ 2
354	α Hydrae	2.16	K 2	9 24 20.689	+2.9487	— 7	— 8 22 17.88	—15.564	+ 32
355	h Ursae maj.	3.75	F 0	9 26 20.894	+4.7442	+ 168	+63 21 6.54	—15.678	+ 28
356	[ε Antliae]	4.64	K 2	9 26 31.167	+2.4753	— 25	—35 39 43.49	—15.729	— 14
359	ψ Argus	3.64	F 5	9 28 5.899	+2.3615	— 172	—40 10 37.15	—15.726	+ 74
358	ϑ Ursae maj.	3.26	F 8 p	9 28 27.321	+4.0198	—1027	+51 58 45.14	—16.364	—545
357	d Ursae maj.	4.57	G 0	9 28 40.914	+5.3277	— 120	+70 7 19.05	—15.757	+ 75

Nr. 350. Größe aus Harvard 54 entnommen.

Nr.	Name	Gr.	Spektrum	AR. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
		M		h m s	s		° ' "	"	
361	[N Velorum]	3.04	K 5	9 29 12.989	+1.8234	− 36	−56 44 33.29	−15.859	+ 1
360	10 Leon. min.	4.62	G 5	9 30 11.245	+3.6797	+ 13	+36 41 29.90	−15.938	− 26
362	[H. Carinae]	5.52	K 2	9 31 7.350	+0.4577	− 61	−72 47 17.30	−15.978	− 17
363	[Grb 1564]	5.74	K 0	9 36 37.848	+5.1570	−131	+69 32 21.37	−16.322	− 74
364	[κ Hydrae]	4.96	B 3	9 37 8.528	+2.8762	− 18	−14 1 54.89	−16.285	− 11
365	[o Leonis]	3.76	F 5 + A 3	9 37 37.841	+3.2034	− 94	+10 11 36.54	−16.337	− 37
366	ϑ Antliae	4.98	F 5 p	9 41 15.498	+2.6737	− 40	−27 27 59.60	−16.447	+ 35
367	ε Leonis	3.12	G 0 p	9 42 6.561	+3.4079	− 31	+24 4 44.41	−16.541	− 17
369	υ Argus	3.15 6.03	F 0	9 45 27.184	+1.5003	− 21	−64 45 55.59	−16.689	− 1
368	υ Ursae maj.	3.89	F 0	9 46 18.864	+4.2771	−379	+59 21 1.04	−16.883	−154
370	6 Sextantis	6.00	A 2	9 47 54.529	+3.0237	+ 8	− 3 55 59.83	−16.836	− 30
371	[μ Leonis]	4.10	K 0	9 49 0.870	+3.4143	−162	+26 19 7.30	−16.915	− 56
373	[Hydrae 183 G.]	5.16	M a	9 51 45.439	+2.8305	− 25	−18 41 46.78	−17.053	− 66
372	Grb 1586	5.96	K 0	9 52 31.575	+5.3911	−179	+73 11 40.44	−17.068	− 45
374	[19 Leon. min.]	5.19	F 5	9 53 39.037	+3.6794	−100	+41 22 14.95	−17.101	− 27
375	[φ Argus]	3.70	B 5	9 54 32.571	+2.1047	− 21	−54 15 11.20	−17.118	− 2
377	[η Antliae]	5.25	F 0	9 56 2.210	+2.5725	− 83	−35 34 28.05	−17.207	− 24
376	[12 Sextantis]	6.63	A 5	9 56 17.753	+3.1127	− 47	+ 3 42 4.10	−17.167	+ 27
378	π Leonis	4.89	M a	9 56 43.667	+3.1715	− 21	+ 8 21 41.90	−17.239	− 25
379	η Leonis	3.58	A 0 p	10 3 44.243	+3.2723	− 2	+17 5 6.76	−17.526	− 6
380	α Leonis	1.34	B 8	10 4 51.578	+3.1965	−167	+12 17 25.54	−17.568	− 1
381	λ Hydrae	3.83	K 0	10 7 22.238	+2.9252	−134	−12 1 37.73	−17.759	− 87
382	q Velorum	4.09	A 2	10 11 57.648	+2.5151	−154	−41 47 39.65	−17.813	+ 45
385	[ω Argus]	3.56	B 8	10 12 10.449	+1.4317	− 29	−69 42 35.46	−17.867	0
384	ζ Leonis	3.65	F 0	10 13 1.425	+3.3391	+ 15	+23 44 49.03	−17.907	− 7
383	λ Ursae maj.	3.52	A 2	10 13 7.506	+3.6233	−148	+43 14 40.61	−17.953	− 49
386	μ Ursae maj.	3.21	K 5	10 18 24.332	+3.5790	− 70	+41 49 55.38	−18.083	+ 24
387	30 H. Urs. maj.	4.92	A 0	10 19 23.739	+4.3401	− 25	+65 54 3.84	−18.162	− 18
388	[25 Sextantis]	6.10	B 9	10 20 6.330	+3.0321	− 40	− 3 44 23.89	−18.172	− 2
389	μ Hydrae	4.06	K 5	10 22 53.874	+2.9017	− 85	−16 29 55.78	−18.353	− 82
391	J Carinae	4.08	F 5	10 23 5.284	+1.1916	− 67	−73 41 42.86	−18.295	− 17
390	31 Leon. min.	4.41	K 0	10 24 4.442	+3.4734	− 96	+37 2 45.85	−18.420	−106
392	Lac. α Antliae	4.42	K 5	10 24 7.754	+2.7440	− 62	−30 43 52.35	−18.306	+ 10
393	s Carinae	4.08	F 0	10 25 27.074	+2.1988	− 32	−58 24 7.42	−18.376	− 14
394	36 Ursae maj.	4.84	F 5	10 26 25.026	+3.8476	−216	+56 19 10.96	−18.429	− 33
396	[ρ Leonis]	3.85	B 0 p	10 29 20.272	+3.1599	− 6	+ 9 38 48.46	−18.501	− 5
395	9 H. Dracon.	5.04	G 5	10 29 32.285	+5.1326	− 96	+76 3 13.97	−18.507	− 4
397	[p Carinae]	3.58	B 5 p	10 29 40.476	+2.1322	− 18	−61 20 43.38	−18.502	+ 5
399	[44 Hydrae]	5.32	K 2	10 30 52.458	+2.8535	− 2	−23 24 16.38	−18.527	+ 21
398	[37 Ursae maj.]	5.16	F 0	10 30 55.532	+3.8737	+ 83	+57 25 23.63	−18.513	+ 36

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Nr.	Name	Gr.	Spektrum	AR. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0ˢ.0001	Dekl. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0″.001
		M		h m s	s		° ′ ″	″	
400	*[p Velorum]	4.06	F 2 + A 3	10 34 31.261	+2.5161	−183	−47 52 57.20	−18.699	− 34
401	[γ Chamael.]	4.10	M a	10 34 42.320	+0.7222	−116	−78 15 54.29	−18.642	+ 30
402	[x Velorum]	4.37	G 0	10 36 40.236	+2.3802	− 75	−55 15 33.74	−18.754	− 21
404	33 Sextantis	6.40	K 0	10 38 2.766	+3.0522	− 94	− 1 23 38.95	−18.901	−125
403	[35 H. Urs. maj.]	5.23	K 0	10 38 22.169	+4.3122	− 19	+69 25 19.33	−18.804	− 18
405	[41 Leon. min.]	5.05	A 2	10 39 49.901	+3.2644	− 80	+23 32 4.37	−18.817	+ 13
406	ϑ Argus	3.03	B 0	10 40 35.879	+2.1380	− 26	−64 2 53.81	−18.849	+ 4
407	42 Leon. min.	5.37	B 9	10 42 12.038	+3.3391	− 15	+31 1 49.71	−18.938	− 37
408	μ Argus	2.84	G 5	10 43 55.456	+2.5757	+ 49	−49 4 16.27	−19.015	− 65
411	[δ² Chamael.]	4.62	B 3	10 45 11.357	+0.5823	−120	−80 11 30.76	−18.976	+ 9
409	l Leonis	5.27	A 0	10 45 47.404	+3.1545	− 3	+10 53 41.47	−19.033	− 30
410	[ν Hydrae]	3.32	K 0	10 46 22.031	+2.9598	+ 66	−15 50 52.43	−18.824	+194
412	[46 Leon. min.]	3.92	K 0	10 49 37.620	+3.3588	+ 75	+34 34 16.15	−19.389	−282
414	[ι Antliae]	4.70	K 0	10 53 38.295	+2.7939	+ 62	−36 46 57.62	−19.347	−137
413	[Br 1508]	6.26	G 5	10 54 43.818	+4.8326	−258	+78 7 27.64	−19.263	− 26
415	i Velorum	4.56	A 2	10 57 7.313	+2.7504	+ 20	−41 52 17.73	−19.298	− 4
416	β Ursae maj.	2.44	A 0	10 57 52.340	+3.6285	+101	+56 44 11.59	−19.286	+ 26
417	α Ursae maj.	1.95	K 0	10 59 40.291	+3.7124	−174	+62 6 27.55	−19.425	− 72
418	χ Leonis	4.66	F 0	11 1 36.839	+3.0954	−231	+ 7 41 35.58	−19.443	− 46
419	[χ Hydrae]	5.06	F 5	11 2 8.889	+2.8880	−154	−26 56 13.40	−19.415	− 7
420	ψ Ursae maj.	3.15	K 0	11 5 57.677	+3.3777	− 57	+44 51 24.79	−19.525	− 36
421	β Crateris	4.52	A 2	11 8 24.563	+2.9496	0	−22 27 54.46	−19.636	− 98
422	δ Leonis	2.58	A 3	11 10 36.096	+3.1926	+106	+20 53 8.08	−19.717	−136
423	ϑ Leonis	3.41	A 0	11 10 46.735	+3.1492	− 43	+15 47 26.20	−19.665	− 81
424	[Grb 1757]	5.97	K 0	11 12 59.215	+3.3858	− 97	+49 50 11.90	−19.646	− 22
425	ν Ursae maj.	3.71	K 0	11 14 55.171	+3.2439	− 16	+33 27 16.77	−19.635	+ 22
426	δ Crateris	3.82	K 0	11 16 2.344	+2.9986	− 88	−14 25 16.17	−19.476	+200
427	σ Leonis	4.13	A 0	11 17 44.054	+3.0942	− 62	+ 6 23 28.77	−19.716	− 12
428	π Centauri	4.26	B 5	11 17 59.398	+2.7320	− 41	−54 7 44.82	−19.721	− 13
429	Grb 1771	5.98	A 0	11 18 57.045	+3.5754	− 10	+64 41 31.19	−19.689	+ 34
430	[ι Leonis]	4.03	F 5	11 20 29.091	+3.1277	+106	+10 53 34.46	−19.830	− 84
431	[γ Crateris]	4.14	A 5	11 21 34.945	+2.9963	− 72	−17 19 16.28	−19.756	+ 7
432	[58 Ursae maj.]	5.88	F 8	11 26 57.289	+3.2510	− 43	+43 32 8.28	−19.764	+ 72
433	λ Draconis	4.06	M a	11 27 30.508	+3.5753	− 79	+69 41 43.85	−19.864	− 21
434	ξ Hydrae	3.72	G 5	11 29 45.075	+2.9485	−167	−31 29 32.17	−19.912	− 43
435	[C² Centauri]	5.42	F 0	11 32 43.148	+2.9024	+ 13	−47 16 31.50	−19.949	− 47
436	λ Centauri	3.34	B 9	11 32 43.598	+2.7604	− 58	−62 39 16.32	−19.919	− 17
437	υ Leonis	4.47	K 0	11 33 34.160	+3.0718	+ 1	− 0 27 33.41	−19.875	+ 36
438	[π Chamael.]	5.74	F 0	11 34 31.748	+2.4706	−280	−75 31 51.68	−19.925	− 5
439	[ο Hydrae]	4.88	B 8	11 36 55.848	+2.9781	− 30	−34 22 43.37	−19.942	+ 1

Nr. 400. Doppelstern, Größe der Komponenten: 4.5 und 5.0

Nr.	Name	Gr.	Spektrum	AR. 1934.0	Jährl. Veränderung	Jährl. Eigenbew.in 0s.001	Dekl. 1934.0	Jährl. Veränderung	Jährl. Eigenbew.in 0".001
		M		h m s	s		° ' "	"	
440	3 Draconis	5.48	K 0	11 38 48.545	+3.3574	— 78	+67 6 37.33	—19.919	+ 40
442	[λ Muscae]	3.80	A 5	11 42 28.815	+2.8245	—153	—66 21 46.30	—19.965	+ 20
441	χ Ursae maj.	3.85	K 0	11 42 34.400	+3.1730	—133	+48 8 43.31	—19.967	+ 20
443	[Centauri 65 G.]	4.22	G 0	11 43 18.685	+2.8964	— 25	—60 48 41.44	—20.026	— 35
444	β Leonis	2.23	A 2	11 45 41.693	+3.0611	—341	+14 56 27.84	—20.123	—118
445	β Virginis	3.80	F 8	11 47 15.438	+3.1252	+494	+ 2 8 12.00	—20.289	—276
446	[*B* Centauri]	4.71	K 0	11 47 50.128	+2.9914	—111	—44 48 23.52	—20.062	— 46
447	γ Ursae maj.	2.54	A 0	11 50 22.102	+3.1611	+107	+54 3 41.95	—20.024	+ 2
448	[ε Chamael.]	5.05	B 9	11 56 19.152	+2.9571	—162	—77 51 15.50	—20.050	— 9
449	[Centauri 88 G.]	5.28	F 0	12 0 13.936	+3.1009	+267	—42 3 52.39	—20.166	—122
450	o Virginis	4.24	G 5	12 1 50.871	+3.0565	—147	+ 9 5 57.88	—20.005	+ 38
451	[Grb 1852]	5.96	K 0	12 1 55.359	+3.0669	+435	+77 16 29.11	—20.140	— 96
452	δ Centauri	2.88	B 3 p	12 4 55.716	+3.1033	— 44	—50 21 17.56	—20.058	— 18
453	ε Corvi	3.21	K 0	12 6 43.600	+3.0839	— 51	—22 15 9.86	—20.025	+ 11
454	4 H. Draconis	5.12	A 5	12 9 7.805	+2.8253	+ 23	+77 58 58.59	—20.005	+ 23
455	[δ Crucis]	3.08	B 3	12 11 37.715	+3.1780	— 51	—58 22 55.29	—20.045	— 27
456	δ Ursae maj.	3.44	A 2	12 12 10.156	+2.9756	+135	+57 23 56.96	—20.013	+ 3
457	[γ Corvi]	2.78	B 8	12 12 24.530	+3.0841	—112	—17 10 32.18	—19.998	+ 17
458	[2 Can. ven.]	5.80	K 5	12 12 49.479	+3.0105	+ 26	+41 1 38.37	—20.058	— 45
459	β Chamael.	4.38	B 5	12 14 26.044	+3.4891	—143	—78 56 45.03	—19.992	+ 12
460	η Virginis	4.00	A 0	12 16 31.710	+3.0693	— 42	— 0 18 0.61	—20.015	— 23
461	[6 Can. ven.]	5.22	K 0	12 22 36.121	+2.9583	— 67	+39 23 4.60	—19.983	— 36
462	α Crucis med.	1.58 2.09	B 1	12 22 55.025	+3.3274	— 44	—62 44 2.18	—19.975	— 31
463	[Hydr. 323 G.]	5.68	A 0	12 23 22.624	+3.1581	— 14	—32 27 52.56	—19.989	— 49
464	[σ Centauri]	4.16	B 3	12 24 27.657	+3.2382	— 36	—49 51 55.42	—19.963	— 33
466	20 Comae	5.72	A 2	12 26 24.453	+3.0157	+ 26	+21 15 40.78	—19.950	— 39
465	δ Corvi	3.11	A 0	12 26 26.780	+3.1030	—145	—16 8 53.49	—20.053	—142
467	[74 Ursae maj.]	5.44	A 5	12 26 52.795	+2.8055	— 96	+58 46 7.19	—19.818	+ 88
468	[γ Crucis]	1.61	Mb	12 27 29.515	+3.3194	+ 26	—56 44 38.19	—20.178	—278
469	[γ Muscae]	4.04	B 5	12 28 30.111	+3.5680	— 82	—71 46 7.56	—19.911	— 22
470	8 Can. ven.	4.32	G 0	12 30 36.794	+2.8519	—624	+41 42 56.74	—19.586	+280
472	κ Draconis	3.88	B 5 p	12 30 40.593	+2.5673	—117	+70 9 6.47	—19.857	+ 7
471	β Corvi	2.84	G 5	12 30 54.923	+3.1489	— 4	—23 1 55.22	—19.921	— 59
473	24 Comae seq.	5.18	K 0	12 31 49.253	+3.0104	+ 2	+18 44 24.51	—19.833	+ 18
474	α Muscae	2.94	B 3	12 33 13.672	+3.5644	— 56	—68 46 20.30	—19.865	— 32
475	[χ Virginis]	4.78	K 0	12 35 50.281	+3.0959	— 49	— 7 37 57.83	—19.837	— 37
476	γ Centauri	2.38	A 0	12 37 51.956	+3.3017	—205	—48 35 51.46	—19.791	— 20
477	[γ Virgin. med.]	3.65 3.68	F 0 F 0	12 38 18.885	+3.0397	—375	— 1 5 15.92	—19.759	+ 5
478	76 Ursae maj.	5.92	A 0	12 38 41.400	+2.6264	— 45	+63 4 30.63	—19.776	— 17
479	[Hydr. 330 G.]	5.73	K 2	12 40 29.144	+3.1950	— 26	—27 57 43.77	—19.782	— 50

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Nr.	Name	Gr.	Spektrum	AR. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
		M		h m s	s		° ' "	"	
480	[β Muscae]	3.26	B 3	12 42 12.741	+3.6658	− 53	−67 44 49.99	−19.736	− 31
481	β Crucis	1.50	B 1	12 43 50.981	+3.4955	− 59	−59 19 41.96	−19.705	− 27
482	*n* Centauri	4.34	A 5	12 49 46.348	+3.3176	+ 45	−39 49 13.67	−19.611	− 37
483	ε Ursae maj.	1.68	A 0 p	12 51 7.901	+2.6430	+136	+56 19 3.80	−19.558	− 11
484	δ Virginis	3.66	M a	12 52 16.677	+3.0216	−315	+ 3 45 20.34	−19.588	− 63
486	8 Draconis	5.27	F 0	12 52 51.262	+2.3919	− 15	+65 47 46.31	−19.547	− 34
485	12 Can. ven. sq.	2.90	A 0 p	12 52 56.630	+2.8082	−199	+38 40 27.94	−19.461	+ 50
487	[δ Muscae]	3.63	K 2	12 57 41.920	+4.1034	+531	−71 11 36.29	−19.448	− 36
488	ε Virginis	2.95	K 0	12 58 53.487	+2.9865	−185	+11 18 48.54	−19.368	+ 18
489	[ξ² Centauri]	4.40	B 3	13 3 2.761	+3.4953	− 35	−49 33 12.13	−19.320	− 30
490	ϑ Virginis	4.44	A 0	13 6 31.826	+3.1053	− 24	− 5 11 13.76	−19.245	− 39
491	[17 Can. ven.]	6.04	F 0	13 7 1.566	+2.7568	− 59	+38 50 56.88	−19.161	+ 32
492	43 Comae	4.32	G 0	13 8 47.719	+2.8008	−602	+28 12 44.11	−18.269	+878
493	[η Muscae]	4.95	B 8	13 10 45.242	+4.0521	− 33	−67 32 43.95	−19.126	− 30
494	[20 Can. ven.]	4.66	F 0	13 14 35.176	+2.6919	−107	+40 55 10.08	−18.984	+ 8
495	γ Hydrae	3.33	G 5	13 15 19.747	+3.2596	+ 51	−22 49 26.26	−19.025	− 53
496	ι Centauri	2.91	A 2	13 16 52.706	+3.3675	−294	−36 21 53.11	−19.019	− 92
497	ζ Urs. maj. pr.	2.40	A 2 p	13 21 16.323	+2.4180	+143	+55 16 10.48	−18.822	− 25
498	α Virginis	1.21	B 2	13 21 42.774	+3.1593	− 28	−10 49 2.64	−18.817	− 33
499	Grb 2001	6.07	K 5	13 24 26.933	+1.5279	+ 35	+72 44 1.86	−18.713	− 15
500	69 H. Urs. maj.	5.41	A 0	13 26 1.941	+2.2036	−109	+60 17 10.54	−18.611	+ 37
501	ζ Virginis	3.44	A 2	13 31 19.700	+3.0563	−190	− 0 15 32.91	−18.439	+ 35
502	17 H. Can. ven.	4.96	F 0	13 31 51.087	+2.6791	+ 64	+37 31 11.87	−18.469	− 13
503	[Chamael. 49 G.]	6.44	A 0	13 33 30.095	+5.0958	− 49	−75 20 53.01	−18.413	− 14
505	[Grb 2029]	5.67	K 0	13 35 35.689	+1.4391	− 86	+71 34 40.27	−18.326	0
504	ε Centauri	2.56	B 1	13 35 41.499	+3.7918	− 37	−53 7 54.12	−18.356	− 34
506	[*i* Centauri]	4.36	F 5	13 41 55.793	+3.4051	−371	−32 42 38.66	−18.250	−156
507	τ Bootis	4.51	F 5	13 44 7.540	+2.8508	−340	+17 47 5.81	−17.982	+ 28
509	η Ursae maj.	1.91	B 3	13 44 56.567	+2.3659	−119	+49 38 31.38	−17.999	− 20
508	[μ Centauri]	3.32	B 2 p	13 45 37.845	+3.6080	− 28	−42 8 43.98	−17.972	− 19
510	89 Virginis	5.11	K 0	13 46 16.886	+3.2580	− 69	−17 48 21.88	−17.965	− 38
511	[*i* Draconis]	4.77	M a	13 49 30.278	+1.7524	0	+65 2 56.13	−17.801	− 2
512	ζ Centauri	3.06	B 2 p	13 51 24.613	+3.7346	− 70	−46 57 51.96	−17.783	− 61
513	η Bootis	2.80	G 0	13 51 32.534	+2.8569	− 41	+18 43 40.22	−18.080	−364
514	[Cent. 294 G.]	4.68	K 0	13 52 51.109	+4.3279	− 46	−63 21 50.46	−17.697	− 35
515	[47 Hydrae]	5.17	B 8	13 54 48.638	+3.3641	− 34	−24 39 3.46	−17.621	− 40
517	11 Bootis	6.12	A 3	13 58 10.984	+2.7213	− 57	+27 42 16.52	−17.430	+ 8
516	τ Virginis	4.34	A 2	13 58 17.160	+3.0528	+ 13	+ 1 51 47.05	−17.463	− 30
518	β Centauri	0.86	B 1	13 59 8.880	+4.2225	− 28	−60 3 20.73	−17.436	− 40
521	α Draconis	3.64	A 0 p	14 2 36.077	+1.6241	− 83	+64 41 27.12	−17.227	+ 16

Nr.	Name	Gr.	Spektrum	AR. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
		M		h m s	s		° ' "	"	
519	[π Hydrae]	3.48	K0	14 2 36.418	+3.4136	+30	−26 21 55.38	−17.396	−153
520	ϑ Centauri	2.26	K0	14 2 47.385	+3.5255	−439	−36 2 46.47	−17.766	−530
522	*d* Bootis	4.82	F5	14 7 23.385	+2.7369	−12	+25 24 12.63	−17.096	−69
524	4 Ursae min.	5.00	K0	14 9 4.460	−0.2541	−112	+77 51 27.62	−16.916	+32
523	κ Virginis	4.31	K0	14 9 22.308	+3.1990	+4	−9 58 2.58	−16.800	+134
525	ι Virginis	4.16	F5	14 12 33.019	+3.1444	−13	−5 41 11.22	−17.215	−431
526	α Bootis	0.24	K0	14 12 39.019	+2.7362	−775	+19 31 30.86	−18.780	−2001
528	[ι Bootis]	4.78	A5	14 13 49.775	+2.1252	−159	+51 40 15.66	−16.637	+86
527	λ Bootis	4.26	A0	14 13 52.567	+2.2816	−177	+46 23 26.27	−16.568	+152
529	[υ Centauri]	4.41	B5	14 15 41.832	+4.1774	−47	−56 5 1.83	−16.672	−39
530	[Circini 10 G.]	5.71	A2p	14 19 36.039	+4.9514	−41	−67 53 48.39	−16.475	−36
531	ϑ Bootis	4.06	F8	14 22 57.034	+2.0428	−255	+52 9 18.46	−16.674	−405
532	[52 Hydrae]	5.00	B8	14 24 18.059	+3.5098	−28	−29 11 45.84	−16.231	−30
533	[φ Virginis]	4.97	K0	14 24 47.980	+3.0906	−90	−1 55 58.96	−16.182	−7
534	ρ Bootis	3.78	K0	14 28 59.159	+2.5860	−76	+30 39 37.00	−15.843	+113
535	γ Bootis	3.00	F0	14 29 25.270	+2.4165	−93	+38 35 46.04	−15.788	+144
536	[Grb 2125]	6.18	F0	14 29 55.272	+1.6290	−58	+60 30 57.35	−15.888	+18
537	η Centauri	2.65	B3p +A2p	14 31 18.400	+3.8038	−36	−41 52 8.51	−15.869	−36
538	*α Centauri	0.33 1.70	G0 K5	14 35 6.083	+4.0675	−4885	−60 33 50.98	−14.918	+708
540	[33 Bootis]	5.39	A0	14 36 22.868	+2.2327	−67	+44 41 19.01	−15.582	−26
539	[α Circini]	3.41	F0	14 37 8.811	+4.8301	−320	−64 41 20.78	−15.753	−239
541	[α Lupi]	2.89	B2	14 37 31.753	+3.9835	−20	−47 6 22.51	−15.529	−36
543	ζ Bootis med.	4.83 4.43	A2	14 37 59.771	+2.8646	+37	+14 0 37.41	−15.493	−27
542	α Apodis	3.81	K5	14 39 33.943	+7.3824	−56	−78 46 1.06	−15.414	−35
545	μ Virginis	3.95	F5	14 39 34.744	+3.1605	+69	−5 22 20.50	−15.705	−326
544	[c¹ Centauri]	4.13	K0	14 39 36.752	+3.6646	−61	−34 53 26.76	−15.574	−198
546	[*b* Lupi]	5.20	K0	14 42 23.508	+4.1878	−24	−52 6 19.91	−15.312	−92
547	109 Virginis	3.76	A0	14 42 54.617	+3.0325	−75	+2 10 11.48	−15.229	−39
548	α Librae	2.90	A3	14 47 13.373	+3.3168	−77	−15 46 7.13	−15.015	−74
549	Grb 2164	5.67	K2	14 49 45.726	+1.5214	−170	+59 33 41.51	−14.663	+129
550	β Ursae min.	2.24	K5	14 50 52.639	−0.1872	−78	+74 25 30.78	−14.719	+7
551	Pi XIV, 221	5.77	A0	14 53 6.258	+2.8314	−10	+14 42 42.65	−14.611	−18
552	β Lupi	2.81	B2p	14 54 11.890	+3.9225	−51	−42 52 10.42	−14.588	−60
553	[κ Centauri]	3.35	B3	14 54 51.513	+3.8977	−21	−41 50 26.50	−14.521	−33
554	[2 H. Urs. min.]	4.86	Mb	14 56 31.581	+0.9491	−147	+66 11 42.16	−14.353	+34
555	β Bootis	3.63	G5	14 59 27.593	+2.2600	−36	+40 38 59.64	−14.249	−43
556	γ Scorpii	3.41	Mb	15 0 12.098	+3.5087	−57	−25 1 26.07	−14.216	−55
557	ψ Bootis	4.67	K0	15 1 37.036	+2.5708	−131	+27 12 14.24	−14.088	−15
558	ζ Lupi	3.50	K0	15 7 31.794	+4.3014	−133	−51 50 58.04	−13.773	−73
559	[ι Librae]	4.66	A0p	15 8 27.264	+3.4174	−32	−19 32 35.68	−13.688	−47

Nr. 538. Schwerpunkt des Systems. Abstand vom Schwerpunkt nach den Elementen von **Lohse** in den Publ. d. Astrophys. Obs. Potsdam No. 58

heller Stern: 1934.0 $\Delta\alpha = +0^s.245$ $\Delta\delta = -0''.68$

1935.0 $= +0.215$ $= -1.07$

Mittlere Sternörter 1934.0

Nr.	Name	Gr.	Spektrum	AR. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
		M		h m s	s		° ' "	"	
562	[3 Serpentis]	5.44	K o	15 11 54.410	+2.9817	— 12	+ 5 10 59.37	—13.425	— 7
561	[β Circini]	4.16	A 3	15 12 19.811	+4.6862	—130	—58 33 22.97	—13.540	— 149
560	γ Triang. austr.	3.06	A o	15 12 43.197	+5.5829	—101	—68 26 15.59	—13.402	— 37
563	δ Bootis	3.54	K o	15 12 50.519	+2.4193	+ 73	+33 33 36.15	—13.479	— 121
564	β Librae	2.74	B 8	15 13 27.141	+3.2272	— 64	— 9 8 26.32	—13.345	— 27
565	1 H. Urs. min.	5.23	G o	15 13 52.413	+0.6851	+387	+67 35 49.34	—13.685	— 396
566	φ¹ Lupi	3.59	K 5	15 17 36.630	+3.8026	— 82	—36 1 24.20	—13.138	— 95
569	γ Ursae min.	3.14	A 2	15 20 49.108	—0.1031	— 32	+72 4 7.79	—12.813	+ 16
568	μ Bootis	4.47 6.66	F o K o	15 21 59.799	+2.2664	—123	+37 36 27.67	—12.669	+ 80
570	[τ¹ Serpentis]	5.46	M a	15 22 43.661	+2.7821	— 11	+15 39 31.88	—12.724	— 24
571	ι Draconis	3.47	K o	15 23 27.537	+1.3340	— 5	+59 11 48.17	—12.636	+ 14
567	[κ¹ Apodis]	5.65	B 5 p	15 24 16.684	+6.5085	+ 6	—73 9 47.00	—12.633	— 37
572	β Coron. bor.	3.72	F o p	15 25 6.465	+2.4740	—131	+29 19 55.72	—12.463	+ 76
573	ν¹ Bootis	5.15	K 5	15 28 33.492	+2.1551	+ 10	+41 3 25.64	—12.315	— 13
576	[ϑ Coron. bor.]	4.17	B 5	15 30 16.054	+2.4189	— 17	+31 34 50.61	—12.210	— 26
574	[ε Triang. austr.]	4.11	K o	15 30 39.293	+5.4732	+ 29	—66 5 50.16	—12.238	— 82
575	γ Lupi	2.95	B 3	15 30 44.008	+3.9925	— 26	—40 56 47.35	—12.191	— 39
577	γ Librae	4.02	K o	15 31 49.840	+3.3545	+ 43	—14 34 14.52	—12.072	+ 3
578	α Coron. bor.	2.31	A o	15 31 53.575	+2.5402	+ 93	+26 56 8.52	—12.168	— 98
579	[3 H. Scorpii]	3.78	K 2	15 33 0.705	+3.6392	— 11	—27 55 4.69	—12.002	— 11
580	[φ Bootis]	5.41	G 5	15 35 27.372	+2.1549	+ 58	+40 34 2.44	—11.768	+ 52
581	[γ Coron. bor.]	3.93	A o	15 39 58.253	+2.5198	— 74	+26 30 12.67	—11.465	+ 34
582	α Serpentis	2.75	K o	15 41 0.923	+2.9544	+ 91	+ 6 37 55.37	—11.381	+ 42
583	β Serpentis	3.74	A 2	15 43 8.444	+2.7689	+ 51	+15 37 37.67	—11.325	— 54
587	[12 H. Dracon.]	5.13	A 2	15 45 39.325	+0.9122	+ 55	+62 48 11.06	—11.149	— 61
584	κ Serpentis	4.28	K 5	15 45 46.091	+2.7006	— 31	+18 20 38.93	—11.178	— 98
585	μ Serpentis	3.63	A o	15 46 10.400	+3.1299	— 59	— 3 13 46.52	—11.082	— 32
590	ζ Ursae min.	4.34	A 2	15 46 22.421	—2.1683	+ 60	+77 59 54.26	—11.036	— 1
586	[χ Lupi]	4.11	B 9	15 46 45.485	+3.8086	— 15	—33 25 39.08	—11.038	— 30
588	ε Serpentis	3.75	A 2	15 47 31.451	+2.9898	+ 84	+ 4 40 30.44	—10.892	+ 59
589	β Triang. austr.	3.04	F o	15 49 18.557	+5.2748	—278	—63 13 44.52	—11.228	— 407
591	[γ Serpentis]	3.86	F 5	15 53 24.193	+2.7708	+213	+15 52 32.57	—11.812	—1294
592	[π Scorpii]	3.00	B 2	15 54 51.229	+3.6266	— 15	—25 55 32.68	—10.446	— 37
593	ε Coron. bor.	4.22	K o	15 54 51.237	+2.4833	— 61	+27 4 4.24	—10.478	— 68
595	[Grb 2296]	4.96	A 5	15 56 13.281	+1.4214	—187	+54 56 8.23	—10.196	+ 110
594	δ Scorpii	2.54	B o	15 56 25.601	+3.5456	— 8	—22 26 7.74	—10.328	— 36
598	ϑ Draconis	4.11	F 8	16 0 38.991	+1.1232	—403	+58 44 27.79	— 9.634	+ 339
597	β Scorpii	2.90 5.06	B 1	16 1 35.715	+3.4865	— 7	—19 37 34.80	— 9.928	— 27
596	[δ Normae]	4.84	A 3 p	16 1 49.074	+4.2348	— 5	—44 59 46.03	— 9.878	+ 6
599	[ϑ Lupi]	4.33	B 3	16 2 15.060	+3.9351	— 29	—36 37 27.41	— 9.892	— 41

Nr.	Name	Gr.	Spektrum	AR. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0ˢ.0001	Dekl. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
		M		h m s	s		° ′ ″	″	
601	[φ Herculis]	4.26	B 9 p	16 6 41.356	+1.8900	— 23	+45 6 25.28	—9.480	+ 31
600	[κ Normae]	5.09	K o	16 8 15.550	+4.7216	— 42	—54 27 43.66	—9.455	— 65
602	[δ Triang. austr.]	4.03	G o	16 9 24.847	+5.4499	+ 8	—63 31 9.43	—9.327	— 26
603	δ Ophiuchi	3.03	M a	16 10 53.080	+3.1431	— 30	— 3 31 32.96	—9.336	—150
606	19 Ursae min.	5.51	B 8	16 12 40.800	—1.7258	— 4	+76 2 40.06	—9.034	+ 12
605	ε Ophiuchi	3.34	K o	16 14 49.600	+3.1732	+ 53	— 4 31 59.22	—8.847	+ 31
604	γ² Normae	4.14	K o	16 14 53.450	+4.4817	—190	—49 59 43.75	—8.935	— 61
607	[σ Scorpii]	3.08	B 1	16 17 10.345	+3.6445	— 11	—25 26 10.07	—8.728	— 33
608	τ Herculis	3.91	B 5	16 17 45.350	+1.8031	— 9	+46 28 10.73	—8.616	+ 32
609	γ Herculis	3.79	F o	16 19 0.436	+2.6459	— 36	+19 18 24.85	—8.510	+ 40
612	[η Ursae min.]	5.04	F o	16 19 24.560	—1.7676	—220	+75 54 29.55	—8.262	+256
610	[ζ Triang. austr.]	4.93	G o	16 21 20.523	+6.4349	+366	—69 56 18.37	—8.281	+ 84
613	[ω Herculis]	4.53	A o p	16 22 22.121	+2.7683	+ 28	+14 11 1.79	—8.351	— 68
614	[Grb 2343]	5.66	A 2	16 22 58.625	+1.3119	+ 19	+55 21 16.33	—8.216	+ 18
615	η Draconis	2.89	G 5	16 23 5.569	+0.8105	— 28	+61 39 47.67	—8.164	+ 61
611	γ Apodis	3.90	K o	16 23 16.016	+9.1643	—384	—78 45 9.47	—8.283	— 72
616	α Scorpii	1.22	M a + A 3	16 25 21.400	+3.6769	— 7	—26 17 13.93	—8.072	— 28
618	β Herculis	2.81	K o	16 27 22.904	+2.5788	— 69	+21 37 55.83	—7.902	— 21
617	[λ Ophiuchi]	3.85	A o	16 27 34.966	+3.0250	— 23	+ 2 7 36.51	—7.956	— 90
619	A Draconis	4.98	B 8 p	16 28 6.169	—0.1223	— 51	+68 54 39.51	—7.789	+ 35
620	[τ Scorpii]	2.91	B o	16 31 46.167	+3.7327	— 11	—28 4 50.99	—7.560	— 33
621	σ Herculis	4.25	A o	16 31 58.482	+1.9342	— 6	+42 34 19.85	—7.472	+ 38
623	[Grb 2373]	6.39	G 5	16 33 27.172	—2.5988	—322	+77 34 44.33	—7.116	+274
622	ζ Ophiuchi	2.70	B o	16 33 31.334	+3.3027	+ 9	—10 26 5.73	—7.363	+ 22
624	[24 Scorpii]	5.04	K o	16 37 45.166	+3.4684	— 18	—17 36 57.47	—7.042	— 3
626	η Herculis	3.61	K o	16 40 37.964	+2.0569	+ 35	+39 2 48.64	—6.887	— 84
625	α Triang. austr.	1.88	K 2	16 41 39.415	+6.3405	+ 32	—68 54 33.80	—6.768	— 49
627	Grb 2377	4.88	F o	16 44 2.585	+1.1376	+ 28	+56 53 56.96	—6.464	+ 58
628	ε Scorpii	2.36	K o	16 45 53.009	+3.8831	—501	—34 10 30.38	—6.625	—255
629	49 Herculis	6.41	A o p	16 49 4.504	+2.7312	+ 12	+15 5 0.83	—6.111	— 6
630	ζ² Scorpii	3.75	K 5	16 49 55.927	+4.2171	—133	—42 15 0.59	—6.271	—238
631	ζ Arae	3.06	K 5	16 53 9.006	+4.9595	— 30	—55 53 17.30	—5.812	— 48
632	[ε¹ Arae]	4.15	K 2	16 54 18.873	+4.7758	— 19	—53 3 40.84	—5.674	— 8
633	κ Ophiuchi	3.42	K o	16 54 32.578	+2.8391	—198	+ 9 28 34.51	—5.660	— 13
634	ε Herculis	3.92	A o	16 57 45.826	+2.2953	— 35	+31 1 20.86	—5.353	+ 24
635	[60 Herculis]	4.91	A 3	17 2 18.991	+2.7816	+ 34	+12 49 48.30	—5.007	— 15
636	[Grb 2415]	6.27	A 2	17 5 37.509	+1.9568	— 29	+40 36 5.13	—4.739	— 28
637	η Ophiuchi	2.63	A 2	17 6 35.435	+3.4394	+ 23	—15 38 41.38	—4.539	+ 90
638	[η Scorpii]	3.44	F 2	17 7 25.304	+4.2947	+ 17	—43 9 14.99	—4.856	—298
639	ζ Draconis	3.22	B 5	17 8 35.501	+0.1718	— 29	+65 47 44.96	—4.437	+ 22

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Nr.	Name	Gr.	Spektrum	AR. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0ˢ.0001	Dekl. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0″.001
				h m s	s		° ′ ″	″	
640	α Herculis	M 3.48 5.39	M b	17 11 38.218	+2.7351	— 8	+14 27 51.01	—4.169	+ 29
641	δ Herculis	3.16	A 2	17 12 19.197	+2.4642	— 15	+24 54 57.02	—4.299	—159
643	π Herculis	3.36	K 5	17 12 44.858	+2.0895	— 21	+36 52 57.02	—4.102	+ 1
642	[ι Apodis]	5.60	B 8	17 14 43.357	+6.6826	— 14	—70 3 24.55	—3.961	— 27
644	ϑ Ophiuchi	3.37	B 3	17 17 57.215	+3.6831	— 7	—24 56 7.34	—3.681	— 25
645	β Arae	2.80	K 2	17 19 48.485	+4.9839	— 14	—55 28 11.52	—3.539	— 42
647	[27 H. Ophiuchi]	4.61	F 0	17 23 7.707	+3.1832	— 58	— 5 1 47.42	—3.262	— 51
646	[*d* Ophiuchi]	4.37	F 5	17 23 8.212	+3.8293	+ 6	—29 48 32.69	—3.355	—145
650	[*x* Herculis]	5.81	A 2	17 24 59.233	+1.5901	+ 2	+48 18 52.00	—3.069	— 19
648	δ Arae	3.79	B 8	17 25 8.142	+5.4131	— 70	—60 37 52.10	—3.139	—101
649	[υ Scorpii]	2.80	B 3	17 26 16.289	+4.0755	— 24	—37 14 42.32	—2.979	— 39
651	α Arae	2.97	B 3 p	17 26 44.137	+4.6352	— 38	—49 49 34.15	—2.993	— 94
653	β Draconis	2.99	G 0	17 28 56.432	+1.3554	— 15	+52 20 58.25	—2.698	+ 10
652	λ Scorpii	1.71	B 2	17 29 7.398	+4.0715	— 14	—37 3 27.03	—2.724	— 32
655	[ν¹ Draconis]	4.98	A 5	17 30 52.543	+1.1814	+176	+55 13 43.30	—2.489	+ 51
657	[ν² Draconis]	4.95	A 5	17 30 57.976	+1.1826	+181	+55 13 2.16	—2.480	+ 52
656	α Ophiuchi	2.14	A 5	17 31 52.181	+2.7843	+ 80	+12 36 23.91	—2.687	—233
659	[*f* Draconis]	5.21	K 0	17 32 13.456	—0.2429	— 33	+68 10 37.84	—2.289	+134
654	ϑ Scorpii	2.04	F 0	17 32 34.352	+4.3083	0	—42 57 28.63	—2.411	— 18
658	ξ Serpentis	3.64	A 5	17 33 48.339	+3.4342	— 34	—15 21 31.24	—2.351	— 65
664	ω Draconis	4.87	F 5	17 37 20.097	—0.3523	+ 10	+68 47 19.10	—1.656	+323
663	ι Herculis	3.79	B 3	17 37 36.057	+1.6934	— 5	+46 2 25.68	—1.959	— 4
660	[κ Scorpii]	2.51	B 2	17 37 55.139	+4.1485	— 15	—38 59 52.09	—1.954	— 26
662	[μ Arae]	5.26	G 5	17 38 54.040	+4.7611	— 29	—51 48 4.16	—2.051	—208
661	η Pavonis	3.58	K 0	17 39 14.981	+5.8855	— 22	—64 41 41.15	—1.868	— 56
665	β Ophiuchi	2.94	K 0	17 40 12.670	+2.9633	— 27	+ 4 35 36.03	—1.576	+153
666	[ι¹ Scorpii]	3.14	F 5 p	17 42 57.935	+4.1942	— 10	—40 6 11.63	—1.491	— 3
670	ψ Draconis	4.90 6.07	F 5	17 43 6.447	—1.0700	+ 32	+72 10 54.29	—1.743	—267
667	μ Herculis	3.48	G 5	17 43 52.446	+2.3474	—240	+27 45 29.14	—2.160	—751
668	[γ Ophiuchi]	3.74	A 0	17 44 34.948	+3.0078	— 16	+ 2 43 50.19	—1.425	— 77
669	[*G* Scorpii]	3.25	K 2	17 45 21.837	+4.0829	+ 41	—37 1 26.97	—1.253	+ 26
671	ξ Draconis	3.90	K 0	17 52 23.236	+1.0376	+120	+56 52 56.85	—0.589	+ 77
675	35 Draconis	5.04	F 5	17 52 24.035	—2.6883	+111	+76 58 22.01	—0.423	+241
672	ϑ Herculis	3.99	K 0	17 53 59.339	+2.0573	+ 4	+37 15 29.63	—0.521	+ 5
676	γ Draconis	2.42	K 5	17 55 4.376	+1.3928	— 9	+51 29 45.32	—0.453	— 22
674	[ξ Herculis]	3.82	K 0	17 55 11.980	+2.3313	+ 66	+29 15 13.38	—0.445	— 25
673	ν Ophiuchi	3.50	K 0	17 55 23.527	+3.3022	— 7	— 9 46 1.40	—0.521	—118
677	67 Ophiuchi	3.92	B 5 p	17 57 20.335	+3.0045	0	+ 2 55 59.70	—0.246	— 13
679	γ Sagittarii	3.07	K 0	18 1 34.013	+3.8531	— 47	—30 25 36.34	—0.057	—194
678	[Apodis 66 G.]	5.69	K 5	18 2 1.356	+8.3870	— 43	—75 53 47.05	—0.093	—270

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		M		h m s	s		° ' "	"	
680	72 Ophiuchi	3.73	A 3	18 4 13.202	+2.8440	— 42	+ 9 33 11.00	+0.448	+ 78
681	o Herculis	3.83	A 0	18 4 58.050	+2.3402	+ 2	+28 45 7.69	+0.434	0
682	μ Sagittarii	4.01	B 8 p	18 9 48.937	+3.5873	— 3	—21 4 40.27	+0.855	— 3
683	[η Sagittarii]	3.16	M b	18 13 9.608	+4.0586	— 117	—36 46 59.86	+0.987	—163
685	[36 Draconis]	5.03	F 5	18 13 31.003	+0.3452	+ 533	+64 22 28.92	+1.212	+ 31
684	[Grb 2533]	5.42	B 5	18 13 35.554	+1.8656	— 6	+42 8 8.87	+1.181	— 7
687	[δ Sagittarii]	2.84	K 0	18 16 46.113	+3.8407	+ 27	—29 51 28.59	+1.433	— 32
686	[ξ Pavonis]	4.25	K 2	18 17 8.614	+5.5273	— 26	—61 31 33.70	+1.515	+ 17
688	η Serpentis	3.42	K 0	18 17 53.643	+3.1037	— 372	— 2 55 2.90	+0.864	—699
689	ε Sagittarii	1.95	A 0	18 19 47.465	+3.9821	— 30	—34 25 3.39	+1.602	—127
690	109 Herculis	3.92	K 0	18 20 53.101	+2.5564	+ 140	+21 44 17.84	+1.567	—257
693	[φ Draconis]	4.24	A 0 p	18 21 42.351	—0.8596	— 17	+71 18 10.88	+1.928	+ 33
691	α Telescopii	3.76	B 3	18 22 4.788	+4.4484	— 21	—46 0 24.00	+1.881	— 48
695	χ Draconis	3.69	F 8	18 22 14.901	—1.0812	+1171	+72 42 16.77	+1.581	—362
694	*b* Draconis	4.85	A 2	18 22 56.822	+0.8764	— 45	+58 45 43.05	+2.062	+ 58
692	[λ Sagittarii]	2.94	K 0	18 23 53.827	+3.7020	— 37	—25 27 35.67	+1.899	—188
696	[2 H. Scuti]	4.73	A 3	18 25 26.124	+3.4189	— 3	—14 36 33.81	+2.222	+ 2
697	[ϑ Coron. austr.]	4.69	G 5	18 28 47.372	+4.2834	+ 15	—42 21 43.12	+2.488	— 24
700	[Grb 2655]	5.84	K 0	18 32 56.886	—2.8918	— 10	+77 29 48.68	+2.869	— 3
699	α Lyrae	0.14	A 0	18 34 42.216	+2.0314	+ 176	+38 43 16.26	+3.305	+281
698	ζ Pavonis	4.10	K 0	18 35 19.900	+7.0142	— 23	—71 29 16.72	+2.900	—178
701	[Grb 2640]	6.00	A 3	18 36 0.890	+0.1882	+ 18	+65 25 46.25	+3.221	+ 84
702	[5 H. Scuti]	5.09	G 5	18 39 55.590	+3.2672	+ 13	— 8 20 30.88	+3.484	+ 9
703	110 Herculis	4.26	F 5	18 42 49.239	+2.5813	— 12	+20 28 54.59	+3.383	—340
704	λ Pavonis	4.42	B 2	18 46 6.361	+5.5607	— 25	—62 15 56.62	+3.978	— 28
705	*β Lyrae	var.	B 8 p + B2p	18 47 38.575	+2.2149	+ 3	+33 17 6.08	+4.135	— 2
707	o Draconis	4.78	K 0	18 50 13.733	+0.8862	+ 105	+59 18 25.96	+4.383	+ 25
706	σ Sagittarii	2.14	B 3	18 51 10.398	+3.7197	+ 4	—26 22 49.82	+4.376	— 63
709	ϑ Serpent. pr.	4.50	A 5	18 52 56.300	+2.9823	+ 29	+ 4 6 58.42	+4.617	+ 28
708	λ Telescopii	5.03	B 9	18 53 11.146	+4.8007	+ 3	—53 1 36.41	+4.624	+ 14
711	**R* Lyrae	var.	M b	18 53 19.633	+1.8263	+ 28	+43 51 29.41	+4.698	+ 76
710	[ξ Sagittarii]	3.61	K 0	18 53 47.579	+3.5787	+ 18	—21 11 42.34	+4.645	— 16
714	[υ Draconis]	4.91	K 0	18 55 12.783	—0.7306	+ 103	+71 12 33.38	+4.823	+ 41
713	γ Lyrae	3.30	A 0 p	18 56 28.448	+2.2439	— 4	+32 35 52.46	+4.888	— 2
712	[ε Aquilae]	4.21	K 0	18 56 37.572	+2.7221	— 42	+14 58 38.19	+4.822	— 80
715	[ζ Sagittarii]	2.71	A 2	18 58 24.791	+3.8168	— 21	—29 58 34.09	+5.055	+ 2
716	ζ Aquilae	3.02	A 0	19 2 22.569	+2.7570	— 7	+13 45 50.29	+5.288	—101
717	λ Aquilae	3.55	B 9	19 2 44.790	+3.1835	— 16	— 4 58 58.65	+5.333	— 87
719	[ι Lyrae]	5.13	B 5	19 4 56.777	+2.1407	— 3	+35 59 44.34	+5.601	— 3
718	α Coron. austr.	4.12	A 2	19 4 58.998	+4.0816	+ 59	—38 0 33.13	+5.498	—109

Nr. 705. Größe: Max. 3.4, Min. 4.1 Nr. 711. Größe: Max. 4.0, Min. 4.7, Größe in Harvard 50 = 4.32

Nr.	Name	Gr.	Spektrum	AR. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
		M		h m s	s		° ' "	"	
720	π Sagittarii	3.02	F 2	19 5 50.370	+3.5677	— 5	—21 7 48.58	+ 5.644	— 35
721	[Pavonis 60 G.]	5.57	A 2	19 10 34.565	+6.0401	— 7	—66 46 39.28	+ 6.054	— 21
723	δ Draconis	3.24	K 0	19 12 32.703	+0.0170	+ 167	+67 32 43.34	+ 6.327	+ 88
722	[*d* Sagittarii]	5.03	K 0	19 13 46.460	+3.5100	— 12	—19 4 18.73	+ 6.332	— 9
724	ϑ Lyrae	4.46	K 0	19 14 4.592	+2.0818	— 7	+38 0 54.48	+ 6.365	— 1
725	ω Aquilae	5.14	A 5	19 14 43.099	+2.8157	— 3	+11 28 30.23	+ 6.433	+ 13
726	κ Cygni	3.98	K 0	19 15 34.702	+1.3870	+ 69	+53 14 45.43	+ 6.610	+ 119
729	τ Draconis	4.63	K 0	19 16 49.999	—1.1480	— 326	+73 14 0.58	+ 6.704	+ 109
727	[υ Sagittarii]	4.58	B 8 p + F 2 p	19 17 56.913	+3.4362	0	—16 4 49.28	+ 6.684	— 2
728	α Sagittarii	4.11	B 8	19 19 18.957	+4.1576	+ 18	—40 44 30.61	+ 6.681	— 118
730	δ Aquilae	3.44	F 0	19 22 10.241	+3.0245	+ 167	+ 2 58 54.45	+ 7.115	+ 82
731	[Sagittar. 186 G.]	5.68	B 9	19 22 46.327	+3.7918	+ 7	—29 52 31.30	+ 7.036	— 47
734	[Grb 2900]	6.00	A 2	19 25 43.392	—3.6105	+ 97	+79 28 19.54	+ 7.288	— 35
733	ι Cygni	3.94	A 2	19 28 2.550	+1.5128	+ 22	+51 35 18.13	+ 7.637	+ 125
732	*β Cygni	3.24	K 0 + A 0	19 28 3.547	+2.4191	— 2	+27 49 11.56	+ 7.506	— 8
735	[ι Telescopii]	5.02	K 0	19 30 19.369	+4.4509	— 41	—48 14 35.83	+ 7.657	— 40
736	*h* Sagittarii	4.66	B 9	19 32 41.557	+3.6512	+ 46	—25 1 51.10	+ 7.866	— 22
737	[κ Aquilae]	5.04	B 0	19 33 20.508	+3.2277	+ 3	— 7 10 32.11	+ 7.940	0
738	ϑ Cygni	4.64	F 5	19 34 40.274	+1.6080	— 29	+50 4 2.45	+ 8.293	+ 247
740	[15 Cygni]	5.02	K 0	19 41 53.751	+2.1634	+ 59	+37 11 38.24	+ 8.656	+ 36
739	[ν Telescopii]	5.52	A 5	19 42 38.261	+4.9030	+ 86	—56 31 23.25	+ 8.543	— 137
742	δ Cygni	2.97	A 0	19 42 54.751	+1.8756	+ 51	+44 58 7.33	+ 8.741	+ 40
741	γ Aquilae	2.80	K 2	19 43 7.305	+2.8519	+ 9	+10 27 4.27	+ 8.717	0
743	δ Sagittae	3.78	M a + A 0	19 44 26.677	+2.6749	+ 4	+18 22 13.02	+ 8.835	+ 13
744	[51 Aquilae]	5.55	F 0	19 47 8.997	+3.3013	— 21	—10 55 56.10	+ 9.075	+ 41
745	α Aquilae	0.89	A 5	19 47 33.774	+2.9267	+ 360	+ 8 41 33.85	+ 9.449	+ 383
747	ε Draconis	3.99	K 0	19 48 24.371	—0.1975	+ 156	+70 5 59.24	+ 9.161	+ 30
746	*[η Aquilae]	var.	G 0 p	19 49 6.686	+3.0563	+ 6	+ 0 50 5.62	+ 9.178	— 9
749	β Aquilae	3.90	K 0	19 52 4.267	+2.9465	+ 25	+ 6 14 26.35	+ 8.936	— 480
748	ε Pavonis	4.10	A 0	19 52 59.361	+6.9591	+ 148	—73 5 14.41	+ 9.355	— 132
750	ψ Cygni	4.80	A 3	19 53 55.433	+1.5510	— 43	+52 15 46.82	+ 9.527	— 31
751	ϑ[1] Sagittarii	4.39	B 3	19 55 26.586	+3.9052	— 12	—35 27 23.16	+ 9.639	— 36
752	γ Sagittae	3.71	K 5	19 55 49.284	+2.6675	+ 43	+19 18 42.21	+ 9.728	+ 24
753	[*c* Sagittarii]	4.60	M b	19 58 36.148	+3.6898	+ 21	—27 53 41.36	+ 9.934	+ 18
754	δ Pavonis	3.64	G 5	20 2 16.142	+5.8970	+1964	—66 21 9.92	+ 9.034	—1160
755	[ξ Telescopii]	4.86	M a	20 2 20.115	+4.5992	— 44	—53 4 17.84	+10.196	— 2
756	ϑ Aquilae	3.37	A 0	20 7 54.002	+3.0953	+ 22	— 1 1 6.69	+10.620	+ 6
759	κ Cephei	4.40	B 9	20 11 8.724	—1.9988	+ 12	+77 30 48.59	+10.881	+ 27
757	o[1] Cygni sq.	3.95	K 0 + B 8	20 11 33.197	+1.8892	+ 4	+46 32 25.09	+10.885	+ 1
758	[33 Cygni]	4.32	A 3	20 11 51.882	+1.3951	+ 74	+56 21 54.92	+10.992	+ 85

Nr. 732. Größe und Spektrum beziehen sich auf die hellere Komponente. Die entsprechenden Werte für die schwächere Komponente sind 5.36 und B9. Nr. 746. Größe: Max. 3.7, Min. 4.5

Nr.	Name	Gr.	Spektrum	AR. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
		M		h m s	s		° ' "	"	
760	24 Vulpeculae	5.45	K o	20 13 57.621	+2.5671	+ 12	+24 28 0.05	+11.041	— 19
761	α² Capricorni	3.77	G 5	20 14 23.657	+3.3289	+ 40	—12 45 2.32	+11.103	+ 11
762	[β Capricorni]	3.25	G o + A o	20 17 18.280	+3.3707	+ 23	—14 59 27.96	+11.309	+ 6
763	[ϰ¹ Sagittarii]	5.64	A o	20 17 59.024	+4.0774	+ 37	—42 15 33.11	+11.256	— 96
765	γ Cygni	2.32	F 8 p	20 19 51.538	+2.1530	+ 4	+40 2 40.33	+11.487	0
764	α Pavonis	2.12	B 3	20 20 26.307	+4.7540	+ 11	—56 56 53.54	+11.443	— 85
766	[ρ Capricorni]	4.96	F o	20 25 5.886	+3.4223	— 14	—18 1 59.16	+11.843	— 16
767	ϑ Cephei	4.28	A 5	20 28 28.653	+1.0085	+ 63	+62 46 18.55	+12.082	— 14
768	ε Delphini	3.98	B 5	20 30 3.587	+2.8660	+ 5	+11 4 39.93	+12.181	— 25
770	73 Draconis	5.18	A 2 p	20 32 24.044	—0.7769	+ 16	+74 43 43.51	+12.356	— 12
769	α Indi	3.21	K o	20 32 55.880	+4.2227	+ 33	—47 31 23.53	+12.464	+ 60
771	β Delphini	3.72	F 5	20 34 27.234	+2.8130	+ 74	+14 21 51.89	+12.472	— 36
772	[ϰ Delphini]	5.23	G 5	20 35 55.427	+2.9137	+ 212	+ 9 51 9.32	+12.627	+ 18
773	υ Capricorni	5.33	M a	20 36 17.703	+3.4158	— 17	—18 22 20.23	+12.618	— 16
774	α Delphini	3.86	B 8	20 36 34.346	+2.7865	+ 45	+15 40 41.04	+12.647	— 6
775	β Pavonis	3.60	A 5	20 39 2.056	+5.4219	— 71	—66 26 32.36	+12.821	+ 1
777	α Cygni	1.33	A 2 p	20 39 10.880	+2.0451	+ 4	+45 2 37.11	+12.828	— 1
776	[η Indi]	4.70	F o	20 39 12.085	+4.4102	+ 157	—52 9 30.42	+12.758	— 73
778	[δ Delphini]	4.53	A 5	20 40 22.654	+2.8008	— 14	+14 50 11.96	+12.862	— 48
779	[ψ Capricorni]	4.26	F 8	20 42 11.465	+3.5531	— 44	—25 30 33.90	+12.873	— 157
780	ε Cygni	2.64	K o	20 43 32.410	+2.4276	+ 290	+33 43 19.64	+13.447	+ 328
782	[6 H. Cephei]	4.63	G o	20 43 42.868	+1.4892	— 86	+57 20 32.25	+12.897	— 234
783	η Cephei	3.59	K o	20 43 57.020	+1.2219	+ 130	+61 34 54.99	+13.965	+ 819
781	ε Aquarii	3.83	A o	20 44 6.275	+3.2477	+ 17	— 9 44 18.54	+13.129	— 28
784	λ Cygni	4.47	B 5	20 44 50.206	+2.3365	+ 5	+36 14 50.62	+13.205	0
785	β Indi	3.72	K o	20 49 39.844	+4.6958	0	—58 42 16.89	+13.493	— 27
786	32 Vulpeculae	5.24	K 5	20 51 44.785	+2.5567	— 4	+27 48 20.47	+13.655	+ 1
788	ν Cygni	4.04	A o	20 54 42.698	+2.2363	+ 9	+40 54 43.79	+13.825	— 17
787	[α Octantis]	5.24	F 2	20 56 47.213	+7.3152	— 12	—77 16 39.26	+13.618	— 355
789	[11 Aquarii]	6.26	G o	20 57 5.364	+3.1588	+ 23	— 4 59 10.67	+13.859	— 133
790	ζ Microscopii	5.35	F o	20 58 45.216	+3.8357	— 36	—38 53 26.18	+13.974	— 122
792	[ξ Cygni]	3.92	K 5	21 2 31.773	+2.1823	+ 12	+43 39 49.22	+14.326	— 3
791	[A Capricorni]	4.60	M a	21 3 16.216	+3.5097	— 30	—25 16 15.30	+14.327	— 47
793	61 Cygni pr.	5.57	K 5	21 3 56.189	+2.6869	+3505	+38 25 26.27	+17.672	+3257
794	ν Aquarii	4.52	K o	21 6 0.069	+3.2687	+ 62	—11 38 23.87	+14.530	— 9
795	Br 2777	5.90	B 9	21 6 51.245	—1.1786	+ 74	+77 51 33.05	+14.627	+ 36
798	[Grb 3415]	5.65	B 2	21 10 7.465	+1.5275	— 6	+59 42 52.58	+14.783	— 2
797	ζ Cygni	3.40	K o	21 10 7.567	+2.5529	— 1	+29 57 19.07	+14.727	— 59
796	[Indi 23 G.]	5.84	A 5	21 11 3.440	+4.2866	— 19	—53 32 16.68	+14.794	— 46
799	[τ Cygni]	3.82	F o	21 12 9.318	+2.3945	+ 137	+37 45 46.48	+15.340	+ 436

Mittlere Sternörter 1934.0

Nr.	Name	Gr.	Spektrum	AR. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0ˢ.0001	Dekl. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0″.001
		M		h m s	s		° ′ ″	″	
800	α Equulei	4.14	F 8 +A 3	21 12 31.509	+2.9991	+ 38	+ 4 58 26.22	+14.839	— 87
801	[4 Pisc. austr.]	4.79	A 0	21 13 56.421	+3.6396	+ 35	—32 26 58.17	+14.982	— 26
802	[ϑ¹ Microscop.]	4.92	A 2 p	21 16 32.815	+3.8424	+ 70	—41 5 22.06	+15.173	+ 14
803	α Cephei	2.60	A 5	21 17 0.328	+1.4325	+ 212	+62 18 19.63	+15.234	+ 50
804	1 Pegasi	4.24	K 0	21 19 2.011	+2.7743	+ 74	+19 31 16.18	+15.361	+ 61
805	γ Pavonis	4.30	F 8	21 21 0.554	+4.9751	+ 128	—65 39 59.08	+16.200	+ 788
806	ζ Capricorni	3.86	G 5 p	21 22 54.150	+3.4266	— 1	—22 41 53.90	+15.539	+ 23
807	[*g* Cygni]	5.34	K 0	21 27 0.751	+2.2137	+ 48	+46 14 55.74	+15.845	+ 103
809	β Cephei	3.32	B 1	21 27 48.988	+0.7786	+ 20	+70 16 14.61	+15.792	+ 7
808	β Aquarii	3.07	G 0	21 28 5.143	+3.1585	+ 11	— 5 51 44.86	+15.795	— 5
810	ν Octantis	3.74	K 0	21 34 12.476	+6.7228	+ 134	—77 41 6.02	+15.867	— 256
811	74 Cygni	5.09	A 5	21 34 18.104	+2.4041	— 3	+40 6 58.59	+16.140	+ 12
812	[γ Capricorni]	3.80	F 0 p	21 36 26.225	+3.3250	+ 131	—16 57 40.66	+16.222	— 16
813	[13 H. Cephei]	5.64	O e 5	21 36 54.752	+1.8621	+ 7	+57 11 24.25	+16.265	+ 2
815	ε Pegasi	2.54	K 0	21 40 56.651	+2.9463	+ 18	+ 9 34 17.45	+16.466	0
817	[11 Cephei]	4.85	K 0	21 40 57.702	+0.8829	+ 234	+71 0 26.13	+16.565	+ 98
814	[ι Pisc.austr.]	4.35	A 0	21 41 1.202	+3.5755	+ 18	—33 19 40.20	+16.381	— 89
816	[κ Pegasi]	4.27	F 5	21 41 39.303	+2.7162	+ 25	+25 20 27.08	+16.511	+ 10
818	[λ Capricorni]	5.43	A 0	21 42 59.079	+3.2303	+ 20	—11 40 16.19	+16.564	— 4
819	δ Capricorni	2.98	A 5	21 43 24.024	+3.3120	+ 178	—16 25 39.69	+16.294	— 293
821	π² Cygni	4.26	B 3	21 44 21.188	+2.2161	+ 8	+49 0 12.49	+16.631	— 4
820	[ο Indi]	5.50	K 2	21 45 13.941	+5.0941	— 86	—69 56 16.92	+16.656	— 21
822	γ Gruis	3.16	B 8	21 49 56.266	+3.6353	+ 77	—37 40 34.42	+16.884	— 18
823	16 Pegasi	5.05	B 3	21 50 3.463	+2.7293	+ 4	+25 36 49.96	+16.909	+ 1
824	[δ Indi]	4.56	F 0	21 53 26.274	+4.0899	+ 43	—55 18 27.70	+17.035	— 29
826	[20 Pegasi]	5.66	F 2	21 57 52.382	+2.9223	+ 36	+12 48 10.68	+17.211	— 54
825	[ε Indi]	4.74	K 5	21 58 19.549	+4.5980	+4809	—57 3 30.45	+14.710	—2575
827	α Aquarii	3.19	G 0	22 2 23.677	+3.0813	+ 10	— 0 38 28.48	+17.456	— 7
828	ι Aquarii	4.35	B 8	22 2 52.490	+3.2406	+ 24	—14 11 26.21	+17.432	— 51
830	20 Cephei	5.39	K 5	22 3 0.064	+1.8228	+ 22	+62 27 47.53	+17.549	+ 60
831	[ι Pegasi]	3.96	F 5	22 3 56.209	+2.7923	+ 219	+25 1 19.20	+17.550	+ 22
829	α Gruis	2.16	B 5	22 4 4.929	+3.7860	+ 119	—47 16 54.43	+17.363	— 171
832	[μ Pisc. austr.]	4.62	A 2	22 4 32.169	+3.5010	+ 41	—33 18 41.35	+17.513	— 41
833	[27 Pegasi]	5.65	K 0	22 6 18.064	+2.6580	— 42	+32 50 57.38	+17.563	— 65
834	ϑ Pegasi	3.70	A 2	22 6 52.235	+3.0262	+ 184	+ 5 52 20.75	+17.682	+ 31
835	π Pegasi	4.38	F 5	22 7 3.239	+2.6638	— 9	+32 51 13.39	+17.640	— 19
837	24 Cephei	4.99	G 5	22 8 32.556	+1.1544	+ 54	+72 0 57.05	+17.728	+ 8
836	ζ Cephei	3.62	K 0	22 8 33.680	+2.0799	+ 14	+57 52 31.43	+17.727	+ 6
838	[λ Pisc.austr.]	5.40	B 9	22 10 34.568	+3.4024	+ 16	—28 5 41.48	+17.801	— 1
839	[ε Octantis]	5.11	M b	22 12 43.679	+6.7964	+ 137	—80 46 10.56	+17.848	— 40

Nr.	Name	Gr.	Spektrum	AR. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0ˢ.0001	Dekl. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
		M		h m s	s		° ' "	"	
840	ϑ Aquarii	4.32	K 0	22 13 21.147	+3.1661	+ 76	− 8 6 45.45	+17.894	− 19
841	α Tucanae	2.91	K 2	22 13 59.797	+4.1209	− 98	−60 35 22.31	+17.889	− 49
842	γ Aquarii	3.97	A 0	22 18 14.872	+3.0985	+ 83	− 1 43 14.33	+18.107	+ 7
843	[31 Pegasi]	4.93	B 3p	22 18 16.092	+2.9522	− 1	+11 52 19.22	+18.110	+ 9
844	3 Lacertae	4.58	K 0	22 20 57.654	+2.3578	− 15	+51 53 52.04	+18.011	−191
845	[ν Gruis]	5.48	K 0	22 24 47.441	+3.5194	+ 24	−39 27 59.15	+18.177	−162
846	[δ¹ Gruis]	4.02	G 5	22 25 19.905	+3.5897	+ 17	−43 50 0.68	+18.350	− 8
847	*[δ Cephei]	var.	verän.	22 26 42.977	+2.2255	+ 17	+58 4 36.84	+18.408	+ 2
848	7 Lacertae	3.85	A 0	22 28 34.116	+2.4703	+ 147	+49 56 33.53	+18.487	+ 17
849	[υ Aquarii]	5.29	F 5	22 31 5.210	+3.2830	+ 155	−21 2 48.95	+18.411	−144
850	η Aquarii	4.13	B 8	22 31 57.923	+3.0829	+ 59	− 0 27 29.89	+18.528	− 55
851	[31 Cephei]	5.22	F 0	22 34 8.293	+1.4814	+ 384	+73 18 0.95	+18.677	+ 23
852	10 Lacertae	4.91	Oe 5	22 36 17.794	+2.6909	+ 4	+38 42 22.47	+18.716	− 6
853	[30 Cephei]	5.21	A 2	22 36 18.340	+2.1266	+ 1	+63 14 27.60	+18.701	− 22
854	[ε Pisc. austr.]	4.22	B 8	22 37 0.511	+3.3194	+ 12	−27 23 18.19	+18.746	+ 2
855	ζ Pegasi	3.61	B 8	22 38 10.174	+2.9919	+ 53	+10 29 10.48	+18.767	− 13
856	β Gruis	2.24	M b	22 38 43.991	+3.5863	+ 117	−47 13 50.21	+18.772	− 25
857	η Pegasi	3.10	G 0	22 39 54.338	+2.8113	+ 12	+29 52 31.59	+18.799	− 33
858	[13 Lacertae]	5.24	K 0	22 41 8.636	+2.6739	− 6	+41 28 20.64	+18.874	+ 5
859	λ Pegasi	4.14	K 0	22 43 20.989	+2.8889	+ 41	+23 13 4.13	+18.923	− 10
860	ε Gruis	3.69	A 2	22 44 34.587	+3.6287	+ 96	−51 39 52.43	+18.895	− 73
861	[τ Aquarii]	4.21	K 5	22 46 5.958	+3.1769	− 12	−13 56 29.19	+18.978	− 33
862	[μ Pegasi]	3.67	K 0	22 46 48.929	+2.8949	+ 109	+24 15 9.41	+18.990	− 41
863	ι Cephei	3.68	K 0	22 47 19.489	+2.1321	− 114	+65 51 10.60	+18.922	−123
864	λ Aquarii	3.84	M a	22 49 10.341	+3.1301	+ 5	− 7 55 52.68	+19.133	+ 38
865	ρ Indi	6.14	G 0	22 50 5.589	+4.1915	− 101	−70 25 37.01	+19.181	+ 62
866	δ Aquarii	3.51	A 2	22 51 8.964	+3.1843	− 33	−16 10 20.10	+19.127	− 19
867	α Pisc. austr.	1.29	A 3	22 54 0.425	+3.3165	+ 247	−29 58 20.76	+19.060	−159
868	[ζ Gruis]	4.18	G 5	22 56 59.584	+3.5482	− 80	−53 6 30.89	+19.276	− 16
869	ο Androm.	3.63	B 5 + A 2p	22 58 52.806	+2.7587	+ 25	+41 58 14.76	+19.323	− 13
870	β Pegasi	2.61	M a	23 0 34.309	+2.9074	+ 145	+27 43 27.77	+19.511	+138
871	α Pegasi	2.57	A 0	23 1 28.285	+2.9876	+ 41	+14 50 59.04	+19.353	− 41
872	ϑ Gruis	4.35	F 5	23 3 10.027	+3.3832	− 52	−43 52 39.09	+19.393	− 38
874	π Cephei	4.56	G 5	23 5 47.567	+1.9048	+ 29	+75 1 49.91	+19.460	− 25
873	c² Aquarii	3.80	K 0	23 5 55.792	+3.1994	+ 32	−21 31 51.65	+19.525	+ 36
875	Br 3077	5.65	K 2	23 10 5.811	+2.8851	+2534	+56 48 13.12	+19.867	+296
876	[Tucanae 25 G.]	5.69	G 0	23 13 0.362	+3.6156	+ 231	−62 21 41.96	+19.571	− 53
877	γ Tucanae	4.10	F 2	23 13 35.261	+3.5073	− 59	−58 35 52.46	+19.716	+ 82
878	[γ Piscium]	3.85	K 0	23 13 44.594	+3.1096	+ 503	+ 2 55 16.65	+19.655	+ 18
879	γ Sculptoris	4.51	K 0	23 15 15.850	+3.2416	+ 10	−32 53 30.86	+19.596	− 68

Nr. 847. Größe: Max. 3.7, Min. 4.6; Spektrum wechselt von F 5 bis G 0

Nr.	Name	Gr.	Spektrum	AR. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0ˢ.0001	Dekl. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0″.001
		M		h m s	s		° ′ ″	″	
880	τ Pegasi	4.65	A 5	23 17 22.043	+2.9682	+ 21	+23 22 43.28	+19.685	— 13
882	4 Cassiopeiae	5.20	K 5	23 21 53.815	+2.6602	+ 17	+61 55 12.79	+19.757	— 10
881	[υ Pegasi]	4.57	G 0	23 22 4.942	+2.9932	+138	+23 2 25.63	+19.806	+ 35
883	[ο Gruis]	5.54	F 0	23 22 55.292	+3.3591	— 4	—53 5 14.36	+19.901	+119
884	κ Piscium	4.94	A 2 p	23 23 32.931	+3.0753	+ 56	+ 0 53 38.52	+19.698	— 93
885	70 Pegasi	4.67	K 0	23 25 48.892	+3.0332	+ 38	+12 23 46.10	+19.849	+ 28
886	[β Sculptoris]	4.46	B 9	23 29 26.186	+3.2192	+ 65	—38 11 1.12	+19.880	+ 14
887	[72 Pegasi]	5.21	K 2	23 30 40.483	+2.9747	+ 40	+30 57 39.20	+19.868	— 12
888	[Aquarii 248 G.]	6.51	K 0	23 32 7.827	+3.0948	— 5	— 7 49 47.53	+19.919	+ 23
889	[Phoenicis 11 G.]	4.86	A 2	23 34 18.111	+3.2318	+ 47	—45 51 29.29	+19.881	— 37
890	[λ Androm.]	4.00	K 0	23 34 19.621	+2.9333	+156	+46 6 1.25	+19.495	—423
891	ι Androm.	4.28	B 8	23 34 53.600	+2.9398	+ 27	+42 54 8.77	+19.919	— 5
892	ι Piscium	4.28	F 8	23 36 33.263	+3.0851	+247	+ 5 16 5.88	+19.499	—440
893	γ Cephei	3.42	K 0	23 36 37.365	+2.4525	—184	+77 15 50.30	+20.097	+157
894	ω² Aquarii	4.62	A 0	23 39 18.064	+3.1115	+ 65	—14 54 35.91	+19.900	— 63
895	41 H. Cephei	5.02	A 0	23 44 44.485	+2.8613	+ 23	+67 26 24.13	+20.001	+ 1
896	Lac. δ Sculpt.	4.64	A 0	23 45 29.443	+3.1260	+ 71	—28 29 43.52	+19.899	—105
897	[Aquarii 268 G.]	6.08	K 0	23 46 50.394	+3.0955	+ 86	—10 20 33.31	+20.097	+ 86
898	φ Pegasi	5.23	M a	23 49 7.632	+3.0506	— 8	+18 45 12.92	+19.982	— 39
899	[ρ Cassiopeiae]	4.85	F 8 p	23 51 4.544	+2.9917	— 7	+57 7 55.88	+20.033	+ 4
900	[27 Piscium]	5.07	K 0	23 55 17.633	+3.0711	— 37	— 3 55 19.86	+19.971	— 68
901	[π Phoenicis]	5.14	K 0	23 55 30.855	+3.1108	+ 30	—53 6 53.34	+20.086	+ 46
902	ω Piscium	4.03	F 5	23 55 55.239	+3.0802	+100	+ 6 29 52.43	+19.931	—109
903	ε Tucanae	4.71	B 9	23 56 29.900	+3.1251	+ 64	—65 56 40.05	+20.009	— 33
904	[ϑ Octantis]	4.73	K 0	23 58 13.563	+3.0976	—218	—77 25 48.37	+19.873	—171

Von den Sternen, deren Namen eingeklammert sind, folgen keine Ephemeriden

Nördliche Polsterne

Nr.	Name	Gr.	Spektrum	AR. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0ˢ.001	Dekl. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0″.001
		M		h m s	s		° ′ ″	″	
Na	43 H. Cephei	4.52	K 0	0 59 21.76	+ 7.929	+ 76	+85 54 14.94	+19.374	— 2
Nb	α Ursae min.	2.12	F 8	1 39 5.16	+33.742	+156	+88 56 55.62	+18.200	0
Nc	*Grb 750	6.70	F 8	4 15 4.71	+17.919	+ 17	+85 22 44.26	+ 8.891	+ 32
Nd	51 H. Cephei	5.26	M a	7 10 16.08	+28.654	— 52	+87 9 16.83	— 6.084	— 35
Ne	1 H. Dracon.	4.58	K 2	9 27 49.94	+ 8.657	— 6	+81 37 13.96	—15.806	— 20
Nf	30 H. Camel.	5.34	F 2	10 23 12.12	+ 7.422	— 46	+82 53 45.09	—18.251	+ 31
Ng	ε Ursae min.	4.40	G 5	16 52 39.76	— 6.195	+ 7	+82 8 55.66	— 5.799	+ 6
Nh	δ Ursae min.	4.44	A 0	17 53 29.95	—19.482	+ 15	+86 36 46.82	— 0.511	+ 57
Ni	λ Ursae min.	6.55	M b	18 41 45.73	—75.348	—100	+89 2 19.46	+ 3.639	+ 6
Nk	76 Draconis	5.69	A 0	20 47 28.98	— 4.259	+ 16	+82 17 18.53	+13.406	+ 27

Nr. Nc. Größe aus Harvard 54 entnommen

Südliche Polsterne

Nr.	Name	Gr.	Spektrum	AR. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0ˢ.001	Dekl. 1934.0	Jährl. Veränderung	Jährl. Eigenbew. in 0″.001
		M		h m s	s		° ′ ″	″	
Sa	Octantis 4 G.	5.63	K 0	1 41 0.56	— 3.563	+ 18	—85 6 12.81	+18.163	+ 34
Sb	ξ Mensae	5.85	K 0	5 6 18.88	— 6.887	— 4	—82 33 41.73	+ 4.666	+ 14
Sc	ζ Octantis	5.38	F 0	9 6 38.18	— 8.424	— 94	—85 24 5.48	—14.528	+ 49
Sd	ι Octantis	5.38	K 0	12 47 50.34	+ 6.138	+ 42	—84 45 55.63	—19.584	+ 25
Se	Octantis 20 G.	6.52	A 2	14 53 48.12	+27.762	+184	—87 53 2.68	—14.621	— 70
Sf	Octantis 26 G.	6.13	A 0	16 35 53.42	+22.115	+ 5	—86 15 4.68	— 7.194	— 2
Sg	χ Octantis	5.22	K 0	18 16 18.79	+35.612	— 84	—87 39 37.29	+ 1.296	—130
Sh	σ Octantis	5.48	F 0	19 53 18.81	+85.800	+108	—89 11 3.65	+ 9.512	+ 2
Si	β Octantis	4.34	F 0	22 39 25.70	+ 6.212	— 26	—81 43 42.88	+18.820	+ 3
Sk	τ Octantis	5.56	K 0	23 18 55.29	+ 9.425	+ 20	—87 50 43.18	+19.738	+ 15

Scheinbare Sternörter 1934

Tag	1) α Andromedae AR.	Δ	Dekl.	Δ	2) β Cassiopeiae AR.	Δ	Dekl.	Δ	3) ε Phoenicis AR.	Δ	Dekl.	Δ	7) γ Pegasi AR.	Δ	Dekl.	Δ
1934	0h 4m		+28° 43′		0h 5m		+58° 47′		0h 6m		−46° 6′		0h 9m		+14° 48′	
Jan. 0	58.514	130	46.93	87	38.209	301	29.84	68	4.772	193	53.45	39	50.455	108	68.27	78
10	58.384	124	46.06	112	37.908	289	29.16	120	4.579	177	53.06	86	50.347	103	67.49	90
20	58.260	112	44.94	135	37.619	265	27.96	166	4.402	156	52.20	129	50.244	93	66.59	96
30	58.148	94	43.59	150	37.354	228	26.30	207	4.246	130	50.91	169	50.151	78	65.63	100
Feb. 9	58.054	69	42.09	156	37.126	179	24.23	236	4.116	97	49.22	207	50.073	58	64.63	98
19	57.985	38	40.53	159	36.947	120	21.87	258	4.019	61	47.15	238	50.015	31	63.65	90
März 1	57.947	2	38.94	152	36.827	51	19.29	268	3.958	18	44.77	266	49.984	0	62.75	78
11	57.945	40	37.42	138	36.776	25	16.61	265	3.940	28	42.11	287	49.984	37	61.97	59
21	57.985	85	36.04	116	36.801	103	13.96	252	3.968	77	39.24	304	50.021	77	61.38	36
31	58.070	132	34.88	89	36.904	184	11.44	229	4.045	128	36.20	313	50.098	118	61.02	9
Apr. 10	58.202	178	33.99	55	37.088	261	9.15	197	4.173	180	33.07	318	50.216	160	60.93	21
20	58.380	222	33.44	19	37.349	332	7.18	155	4.353	230	29.89	315	50.376	201	61.14	53
30	58.602	263	33.25	21	37.681	397	5.63	109	4.583	278	26.74	305	50.577	239	61.67	83
Mai 10	58.865	296	33.46	59	38.078	445	4.54	59	4.861	319	23.69	290	50.816	271	62.50	115
20	59.161	324	34.05	98	38.523	487	3.95	7	5.180	356	20.79	267	51.087	298	63.65	143
30	59.485	343	35.03	134	39.010	513	3.88	47	5.536	383	18.12	239	51.385	317	65.08	168
Juni 9	59.828	353	36.37	166	39.523	526	4.35	99	5.919	401	15.73	204	51.702	328	66.76	188
19	60.181	354	38.03	195	40.049	524	5.34	147	6.320	410	13.69	165	52.030	330	68.64	205
29	60.535	345	39.98	218	40.573	509	6.81	193	6.730	406	12.04	121	52.360	325	70.69	215
Juli 9	60.880	330	42.16	236	41.082	483	8.74	234	7.136	394	10.83	75	52.685	311	72.84	220
19	61.210	305	44.52	249	41.565	445	11.08	268	7.530	369	10.08	27	52.996	290	75.04	220
29	61.515	275	47.01	254	42.010	399	13.76	297	7.899	336	9.81	21	53.286	263	77.24	215
Aug. 8	61.790	241	49.55	256	42.409	345	16.73	319	8.235	294	10.02	67	53.549	231	79.39	206
18	62.031	201	52.11	251	42.754	286	19.92	335	8.529	245	10.69	112	53.780	195	81.45	191
28	62.232	160	54.62	242	43.040	223	23.27	344	8.774	191	11.81	149	53.975	158	83.36	175
Sept. 7	62.392	120	57.04	229	43.263	160	26.71	345	8.965	135	13.30	183	54.133	119	85.11	155
17	62.512	79	59.33	211	[23] 43.423	95	30.16	340	[23] 9.100	77	15.13	207	[24] 54.252	81	86.66	133
26	[23] 62.591	40	61.44	191	43.518	33	33.56	328	9.177	21	17.20	223	54.333	46	87.99	111
Okt. 6	62.631	5	63.35	168	43.551	26	36.84	310	9.198	32	19.43	230	54.379	13	89.10	89
16	62.636	26	65.03	142	43.525	83	39.94	285	9.166	79	21.73	226	54.392	16	89.99	67
26	62.610	54	66.45	115	43.442	133	42.79	254	9.087	120	23.99	213	54.376	41	90.66	43
Nov. 5	62.556	77	67.60	85	43.309	180	45.33	215	8.967	154	26.12	192	54.335	63	91.09	22
15	62.479	97	68.45	55	43.129	220	47.48	172	8.813	179	28.04	161	54.272	79	91.31	1
25	62.382	112	69.00	23	42.909	253	49.20	124	8.634	196	29.65	125	54.193	92	91.32	20
Dez. 5	62.270	124	69.23	10	42.656	279	50.44	73	8.438	206	30.90	83	54.101	103	91.12	39
15	62.146	130	69.13	41	42.377	296	51.17	18	8.232	207	31.73	38	53.998	108	90.73	56
25	62.016	132	68.72	70	42.081	303	51.35	36	8.025	203	32.11	8	53.890	111	90.17	72
35	61.884		68.02		41.778		50.99		7.822		32.03		53.779		89.45	
Mittl. Ort	58.293		33.92		38.604		8.73		3.903		42.41		50.060		59.79	
sec δ, tg δ	1.140		+0.548		1.930		+1.650		1.442		−1.040		1.034		+0.264	
a, a'	+3.1		+20.0		+3.1		+20.0		+3.0		+20.0		+3.1		+20.0	
b, b'	+0.04		− 0.02		+0.11		− 0.02		−0.07		− 0.03		+0.02		− 0.04	

Tag	9) ι Ceti AR.	Δ	9) ι Ceti Dekl.	Δ	10) ζ Tucanae AR.	Δ	10) ζ Tucanae Dekl.	Δ	11) β Hydri AR.	Δ	11) β Hydri Dekl.	Δ	12) α Phoenicis AR.	Δ	12) α Phoenicis Dekl.	Δ
1934	$0^h 16^m$		−9° 10′		$0^h 16^m$		−65° 15′		$0^h 22^m$		−77° 36′		$0^h 23^m$		−42° 39′	
Jan. 0	4.524	104	82.88	50	39.89	40	60.25	83	20.99	90	108.61	106	2.414	183	62.29	13
10	4.420	99	83.38	36	39.49	38	59.42	140	20.09	84	107.55	165	2.231	173	62.16	58
20	4.321	90	83.74	19	39.11	33	58.02	191	19.25	76	105.90	219	2.058	158	61.58	101
30	4.231	76	83.93	1	38.78	29	56.11	238	18.49	66	103.71	267	1.900	136	60.57	142
Feb. 9	4.155	57	83.94	19	38.49	23	53.73	279	17.83	55	101.04	308	1.764	109	59.15	181
19	4.098	33	83.75	41	38.26	16	50.94	312	17.28	42	97.96	340	1.655	76	57.34	214
März 1	4.065	4	83.34	62	38.10	10	47.82	340	16.86	27	94.56	365	1.579	37	55.20	244
11	4.061	29	82.72	87	38.00	2	44.42	358	16.59	13	90.91	381	1.542	4	52.76	268
21	4.090	67	81.85	110	37.98	6	40.84	370	16.46	3	87.10	388	1.546	52	50.08	288
31	4.157	106	80.75	133	38.04	15	37.14	373	16.49	18	83.22	388	1.598	101	47.20	301
Apr. 10	4.263	146	79.42	156	38.19	22	33.41	369	16.67	34	79.34	380	1.699	151	44.19	310
20	4.409	186	77.86	176	38.41	30	29.72	357	17.01	49	75.54	362	1.850	200	41.09	311
30	4.595	223	76.10	192	38.71	38	26.15	338	17.50	62	71.92	338	2.050	248	37.98	307
Mai 10	4.818	256	74.18	206	39.09	45	22.77	311	18.12	76	68.54	307	2.298	291	34.91	295
20	5.074	284	72.12	214	39.54	50	19.66	278	18.88	86	65.47	268	2.589	328	31.96	276
30	5.358	305	69.98	219	40.04	55	16.88	238	19.74	95	62.79	224	2.917	357	29.20	252
Juni 9	5.663	318	67.79	215	40.59	58	14.50	194	20.69	102	60.55	175	3.274	378	26.68	221
19	5.981	324	65.64	209	41.17	60	12.56	143	21.71	107	58.80	121	3.652	389	24.47	185
29	6.305	320	63.55	196	41.77	60	11.13	90	22.78	108	57.59	65	4.041	389	22.62	144
Juli 9	6.625	309	61.59	179	42.37	60	10.23	35	23.86	106	56.94	8	4.430	381	21.18	99
19	6.934	291	59.80	157	42.97	57	9.88	21	24.92	101	56.86	50	4.811	361	20.19	53
29	7.225	265	58.23	131	43.54	51	10.09	75	25.93	93	57.36	107	5.172	333	19.66	5
Aug. 8	7.490	235	56.92	104	44.05	46	10.84	126	26.86	83	58.43	157	5.505	296	19.61	44
18	7.725	200	55.88	74	44.51	38	12.10	174	27.69	70	60.00	205	5.801	252	20.05	85
28	7.925	162	55.14	45	44.89	30	13.84	213	28.39	54	62.05	244	6.053	203	20.90	127
Sept. 7	8.087	124	54.69	16	45.19	21	15.97	247	28.93	38	64.49	275	6.256	151	22.17	163
17	8.211	85	54.53	10	45.40	11	18.44	269	29.31	18	67.24	295	6.407	99	23.80	192
26*)	[25] 8.296	49	54.63	34	[26] 45.51	2	21.13	281	[27] 29.49	0	70.19	304	[27] 6.506	45	25.72	212
Okt. 6	8.345	15	54.97	55	45.53	7	23.94	281	29.49	18	73.23	301	6.551	4	27.84	223
16	8.360	16	55.52	69	45.46	16	26.75	272	29.31	37	76.24	286	6.547	50	30.07	225
26	8.344	41	56.21	80	45.30	24	29.47	248	28.94	52	79.10	258	6.497	90	32.32	216
Nov. 5	8.303	63	57.01	87	45.06	30	31.95	216	28.42	67	81.68	221	6.407	123	34.48	200
15	8.240	79	57.88	88	44.76	36	34.11	175	27.75	77	83.89	173	6.284	151	36.48	174
25	8.161	93	58.76	86	44.40	39	35.86	125	26.98	87	85.62	119	6.133	170	38.22	141
Dez. 5	8.068	101	59.62	80	44.01	41	37.11	70	26.11	91	86.81	59	5.963	184	39.63	104
15	7.967	106	60.42	72	43.60	42	37.81	14	25.20	94	87.40	3	5.779	189	40.67	61
25	7.861	109	61.14	60	43.18	42	37.95	46	24.26	92	87.37	66	5.590	190	41.28	17
35	7.752		61.74		42.76		37.49		23.34		86.71		5.400		41.45	
Mittl. Ort	3.906		83.07		38.570		46.00		18.801		93.36		1.467		52.44	
sec δ, tg δ	1.013		−0.162		2.390		−2.170		4.666		−4.558		1.360		−0.922	
a, a′	+3.1		+20.0		+2.9		+20.0		+2.5		+19.9		+2.9		+19.9	
b, b′	−0.01		−0.07		−0.14		−0.07		−0.30		−0.10		−0.06		−0.10	

*) Bei Stern 11) und 12) lies Sept. 27

Scheinbare Sternörter 1934

Tag	13) 12 Ceti AR.		13) 12 Ceti Dekl.		17) ζ Cassiopeiae AR.		17) ζ Cassiopeiae Dekl.		18) π Andromedae AR.		18) π Andromedae Dekl.		20) δ Andromedae AR.		20) δ Andromedae Dekl.	
1934	$0^h\ 26^m$		$-4°\ 18'$		$0^h\ 33^m$		$+53°\ 31'$		$0^h\ 33^m$		$+33°\ 21'$		$0^h\ 35^m$		$+30°\ 30'$	
Jan. 0	40.878	104	76.48	59	17.068	250	82.97	43	21.395	144	37.91	65	48.022	137	15.02	65
10	40.774	101	77.07	49	16.818	248	82.54	91	21.251	145	37.26	95	47.885	137	14.37	93
20	40.673	95	77.56	37	16.570	236	81.63	136	21.106	139	36.31	122	47.748	132	13.44	117
30	40.578	82	77.93	22	16.334	213	80.27	174	20.967	124	35.09	144	47.616	118	12.27	135
Feb. 9	40.496	64	78.15	6	16.121	179	78.53	207	20.843	102	33.65	158	47.498	98	10.92	149
19	40.432	42	78.21	13	15.942	132	76.46	229	20.741	72	32.07	167	47.400	70	9.43	154
März 1	40.390	14	78.08	33	15.810	78	74.17	240	20.669	36	30.40	166	47.330	36	7.89	153
11	40.376	19	77.75	57	15.732	14	71.77	244	20.633	6	28.74	158	47.294	6	6.36	144
21	40.395	57	77.18	80	15.718	53	69.33	235	20.639	54	27.16	142	47.300	52	4.92	127
31	40.452	96	76.38	104	15.771	125	66.98	216	20.693	104	25.74	119	47.352	99	3.65	104
Apr. 10	40.548	136	75.34	128	15.896	195	64.82	187	20.797	155	24.55	90	47.451	149	2.61	75
20	40.684	177	74.06	151	16.091	262	62.95	153	20.952	203	23.65	55	47.600	197	1.86	41
30	40.861	215	72.55	171	16.353	324	61.42	111	21.155	249	23.10	18	47.797	241	1.45	6
Mai 10	41.076	250	70.84	188	16.677	376	60.31	66	21.404	289	22.92	21	48.038	281	1.39	33
20	41.326	277	68.96	200	17.053	418	59.65	17	21.693	323	23.13	61	48.319	313	1.72	70
30	41.603	300	66.96	209	17.471	450	59.48	32	22.016	346	23.74	99	48.632	338	2.42	107
Juni 9	41.903	315	64.87	213	17.921	469	59.80	80	22.362	362	24.73	136	48.970	354	3.49	140
19	42.218	321	62.74	210	18.390	476	60.60	127	22.724	369	26.09	167	49.324	360	4.89	171
29	42.539	320	60.64	202	18.866	470	61.87	170	23.093	365	27.76	196	49.684	358	6.60	196
Juli 9	42.859	310	58.62	189	19.336	454	63.57	208	23.458	353	29.72	218	50.042	347	8.56	217
19	43.169	293	56.73	173	19.790	428	65.65	242	23.811	334	31.90	236	50.389	328	10.73	232
29	43.462	269	55.00	150	20.218	392	68.07	271	24.145	306	34.26	250	50.717	302	13.05	242
Aug. 8	43.731	241	53.50	127	20.610	350	70.78	293	24.451	274	36.76	256	51.019	271	15.47	247
18	43.972	207	52.23	100	20.960	301	73.71	309	24.725	237	39.32	257	51.290	235	17.94	246
28	44.179	170	51.23	72	21.261	249	76.80	317	24.962	198	41.89	253	51.525	196	20.40	241
Sept. 7	44.349	134	50.51	45	21.510	196	79.97	321	25.160	157	44.42	245	51.721	157	22.81	231
17	44.483	96	50.06	18	21.706	140	83.18	319	25.317	116	46.87	232	51.878	117	25.12	217
27	44.579	60	49.88	6	21.846	87	86.37	309	25.433	76	49.19	215	51.995	79	27.29	199
Okt. 6	44.639	27	49.94	26	21.933	33	89.46	294	25.509	40	51.34	196	52.074	42	29.28	179
16	44.666	3	50.20	45	21.966	16	92.40	272	25.549	4	53.30	172	52.116	9	31.07	158
26	44.663	29	50.65	58	21.950	63	95.12	246	25.553	28	55.02	147	52.125	22	32.65	131
Nov. 5	44.634	51	51.23	68	21.887	106	97.58	213	25.525	56	56.49	118	52.103	50	33.96	105
15	44.583	70	51.91	74	21.781	146	99.71	176	25.469	81	57.67	88	52.053	74	35.01	75
25	44.513	84	52.65	77	21.635	180	101.47	132	25.388	102	58.55	56	51.979	95	35.76	46
Dez. 5	44.429	95	53.42	75	21.455	209	102.79	87	25.286	121	59.11	21	51.884	113	36.22	14
15	44.334	102	54.17	72	21.246	232	103.66	37	25.165	134	59.32	13	51.771	126	36.36	18
25	44.232	107	54.89	63	21.014	245	104.03	13	25.031	143	59.19	46	51.645	135	36.18	48
35	44.125		55.52		20.769		103.90		24.888		58.73		51.510		35.70	
Mittl. Ort	40.233		78.66		16.961		62.10		21.006		22.56		47.586		0.51	
sec δ, tg δ	1.003		—0.076		1.683		+1.353		1.197		+0.658		1.161		+0.589	
a, a'	+3.1		+19.9		+3.3		+19.8		+3.2		+19.8		+3.2		+19.8	
b, b'	—0.01		— 0.12		+0.09		— 0.14		+0.04		— 0.14		+0.04		— 0.16	

Tag	21) α Cassiopeiae AR.	Δ	Dekl.	Δ	22) β Ceti AR.	Δ	Dekl.	Δ	25) ο Cassiopeiae AR.	Δ	Dekl.	Δ	24) 21 Cassiopeiae AR.	Δ	Dekl.	Δ
1934	0h 36m		+56° 10′		0h 40m		−18° 20′		0h 41m		+47° 55′		0h 41m		+74° 37′	
Jan. 0	45.006 s	274	53.92″	34	17.458 s	118	57.34″	46	2.551 s	209	43.95″	43	14.55 s	70	64.20″	7
10	44.732	273	53.58	85	17.340	117	57.80	20	2.342	208	43.52	86	13.85	69	64.27	54
20	44.459	261	52.73	132	17.223	110	58.00	5	2.134	201	42.66	127	13.16	67	63.73	114
30	44.198	236	51.41	174	17.113	100	57.95	32	1.933	184	41.39	162	12.49	61	62.59	167
Feb. 9	43.962	201	49.67	207	17.013	82	57.63	60	1.749	156	39.77	190	11.88	52	60.92	214
19	43.761	151	47.60	233	16.931	60	57.03	86	1.593	119	37.87	210	11.36	42	58.78	252
März 1	43.610	93	45.27	247	16.871	32	56.17	112	1.474	71	35.77	220	10.94	28	56.26	277
11	43.517	25	42.80	251	16.839	1	55.05	138	1.403	16	33.57	221	10.66	13	53.49	292
21	43.492	48	40.29	244	16.840	39	53.67	163	1.387	44	31.36	212	10.53	2	50.57	295
31	43.540	124	37.85	228	16.879	79	52.04	185	1.431	106	29.24	193	10.55	17	47.62	285
Apr. 10	43.664	199	35.57	200	16.958	122	50.19	204	1.537	170	27.31	166	10.72	33	44.77	264
20	43.863	270	33.57	166	17.080	164	48.15	221	1.707	230	25.65	132	11.05	48	42.13	233
30	44.133	336	31.91	125	17.244	205	45.94	233	1.937	287	24.33	92	11.53	61	39.80	193
Mai 10	44.469	393	30.66	79	17.449	241	43.61	240	2.224	336	23.41	49	12.14	71	37.87	150
20	44.862	438	29.87	31	17.690	274	41.21	242	2.560	376	22.92	4	12.85	81	36.37	97
30	45.300	472	29.56	19	17.964	298	38.79	239	2.936	407	22.88	43	13.66	88	35.40	44
Juni 9	45.772	494	29.75	69	18.262	318	36.40	229	3.343	426	23.31	88	14.54	91	34.96	11
19	46.266	501	30.44	117	18.580	328	34.11	214	3.769	434	24.19	130	15.45	94	35.07	67
29	46.767	496	31.61	161	18.908	329	31.97	194	4.203	432	25.49	171	16.39	92	35.74	118
Juli 9	47.263	481	33.22	202	19.237	322	30.03	168	4.635	419	27.20	205	17.31	90	36.92	170
19	47.744	453	35.24	238	19.559	309	28.35	138	5.054	397	29.25	235	18.21	85	38.62	215
29	48.197	417	37.62	268	19.868	286	26.97	106	5.451	366	31.60	261	19.06	78	40.77	256
Aug. 8	48.614	372	40.30	292	20.154	258	25.91	70	5.817	328	34.21	279	19.84	70	43.33	292
18	48.986	322	43.22	310	20.412	225	25.21	35	6.145	287	37.00	292	20.54	61	46.25	322
28	49.308	268	46.32	322	20.637	188	24.86	0	6.432	240	39.92	299	21.15	50	49.47	344
Sept. 7	49.576	211	49.54	328	20.825	150	24.86	34	6.672	192	42.91	300	21.65	39	52.91	361
17	49.787	153	52.82	326	20.975	110	25.20	64	6.864	144	45.91	295	22.04	28	56.52	369
27	49.940	95	56.08	319	21.085	72	25.84	89	7.008	95	48.86	285	22.32	15	60.21	371
Okt. 6	50.035	40	59.27	305	21.157	35	26.73	109	7.103	49	51.71	270	22.47	4	63.92	364
16	50.075	15	62.32	285	21.192	2	27.82	124	7.152	5	54.41	248	22.51	9	67.56	349
26	50.060	66	65.17	258	21.194	28	29.06	131	7.157	37	56.89	223	22.42	20	71.05	328
Nov. 5	49.994	113	67.75	227	21.166	53	30.37	133	7.120	75	59.12	192	22.22	31	74.33	297
15	49.881	156	70.02	188	21.113	75	31.70	128	7.045	111	61.04	157	21.91	42	77.30	259
25	49.725	195	71.90	145	21.038	91	32.98	118	6.934	141	62.61	117	21.49	50	79.89	213
Dez. 5	49.530	227	73.35	99	20.947	105	34.16	102	6.793	168	63.78	75	20.99	59	82.02	161
15	49.303	252	74.34	48	20.842	115	35.18	84	6.625	189	64.53	30	20.40	65	83.63	104
25	49.051	268	74.82	5	20.727	120	36.02	63	6.436	203	64.83	16	19.75	68	84.67	44
35	48.783		74.77		20.607		36.65		6.233		64.67		19.07		85.11	
Mittl. Ort	44.911		32.37		16.634		55.05		2.263		24.26		15.16		39.42	
sec δ, tg δ	1.796		+1.492		1.054		−0.332		1.492		+1.108		3.772		+3.637	
a, *a′*	+3.4		+19.8		+3.0		+19.7		+3.3		+19.7		+3.9		+19.7	
b, *b′*	+0.10		— 0.16		—0.02		— 0.17		+0.07		— 0.18		+0.24		— 0.18	

Scheinbare Sternörter 1934

Tag	27) ζ Andromedae				32) γ Cassiopeiae				33) μ Andromedae				35) α Sculptoris			
	AR.		Dekl		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1934	0h 43m		+23° 54′		0h 52m		+60° 21′		0h 53m		+38° 8′		0h 55m		−29° 42′	
Jan. 0	50.683	124	42.87	64	42.74	32	57.78	8	5.459	159	47.58	44	26.566	145	55.96	39
10	50.559	125	42.23	84	42.42	32	57.70	62	5.300	164	47.14	79	26.421	145	56.35	4
20	50.434	121	41.39	102	42.10	32	57.08	112	5.136	161	46.35	111	26.276	140	56.39	33
30	50.313	112	40.37	115	41.78	29	55.96	158	4.975	150	45.24	139	26.136	129	56.06	70
Feb. 9	50.201	94	39.22	122	41.49	25	54.38	198	4.825	129	43.85	159	26.007	112	55.36	104
19	50.107	69	38.00	124	41.24	21	52.40	228	4.696	101	42.26	174	25.895	89	54.32	138
März 1	50.038	37	36.76	120	41.03	14	50.12	249	4.595	64	40.52	179	25.806	59	52.94	169
11	50.001	1	35.56	108	40.89	6	47.63	259	4.531	19	38.73	177	25.747	25	51.25	197
21	50.000	42	34.48	90	40.83	2	45.04	257	4.512	31	36.96	166	25.722	15	49.28	222
31	50.042	87	33.58	68	40.85	10	42.47	245	4.543	84	35.30	147	25.737	58	47.06	244
Apr. 10	50.129	134	32.90	40	40.95	19	40.02	223	4.627	139	33.83	121	25.795	104	44.62	260
20	50.263	180	32.50	9	41.14	27	37.79	193	4.766	192	32.62	89	25.899	149	42.02	272
30	50.443	223	32.41	25	41.41	34	35.86	154	4.958	243	31.73	53	26.048	194	39.30	279
Mai 10	50.666	262	32.66	59	41.75	41	34.32	110	5.201	288	31.20	14	26.242	236	36.51	280
20	50.928	294	33.25	92	42.16	47	33.22	63	5.489	326	31.06	26	26.478	272	33.71	274
30	51.222	319	34.17	123	42.63	51	32.59	13	5.815	355	31.32	66	26.750	303	30.97	262
Juni 9	51.541	336	35.40	152	43.14	54	32.46	38	6.170	375	31.98	105	27.053	325	28.35	244
19	51.877	344	36.92	176	43.68	55	32.84	87	6.545	385	33.03	141	27.378	340	25.91	220
29	52.221	344	38.68	196	44.23	56	33.71	134	6.930	386	34.44	173	27.718	345	23.71	189
Juli 9	52.565	335	40.64	212	44.79	54	35.05	178	7.316	377	36.17	201	28.063	343	21.82	154
19	52.900	318	42.76	221	45.33	51	36.83	217	7.693	360	38.18	224	28.406	330	20.28	117
29	53.218	295	44.97	225	45.84	48	39.00	251	8.053	335	40.42	242	28.736	311	19.11	74
Aug. 8	53.513	266	47.22	225	46.32	43	41.51	281	8.388	304	42.84	254	29.047	283	18.37	32
18	53.779	232	49.47	220	46.75	38	44.32	303	8.692	268	45.38	260	29.330	250	18.05	11
28	54.011	197	51.67	210	47.13	33	47.35	320	8.960	230	47.98	262	29.580	212	18.16	53
Sept. 7	54.208	160	53.77	197	47.46	26	50.55	330	9.190	188	50.60	259	29.792	171	18.69	91
17	54.368	122	55.74	181	47.72	20	53.85	334	9.378	147	53.19	250	29.963	128	19.60	124
27	54.490	85	57.55	162	47.92	14	57.19	330	9.525	106	55.69	237	30.091	86	20.84	151
Okt. 6	54.575	51	59.17	141	48.06	7	60.49	321	9.631	66	58.06	221	30.177	45	22.35	172
16	54.626	19	60.58	120	48.13	1	63.70	306	9.697	28	60.27	201	30.222	7	24.07	184
26	54.645	11	61.78	96	48.14	5	66.76	282	9.725	7	62.28	176	30.229	29	25.91	188
Nov. 5	54.634	37	62.74	72	48.09	11	69.58	252	9.718	40	64.04	149	30.200	59	27.79	183
15	54.597	60	63.46	48	47.98	16	72.10	217	9.678	70	65.53	119	30.141	85	29.62	171
25	54.537	81	63.94	23	47.82	20	74.27	175	9.608	97	66.72	86	30.056	108	31.33	151
Dez. 5	54.456	98	64.17	3	47.62	25	76.02	128	9.511	120	67.58	50	29.948	124	32.84	128
15	54.358	111	64.14	28	47.37	29	77.30	77	9.391	140	68.08	14	29.824	138	34.12	98
25	54.247	121	63.86	51	47.08	31	78.07	24	9.251	155	68.22	23	29.686	145	35.10	63
35	54.126		63.35		46.77		78.31		9.096		67.99		29.541		35.73	
Mittl. Ort	50.131		30.33		42.51		35.01		4.947		30.33		25.557		50.49	
sec δ, tg δ	1.094		+0.443		2.022		+1.757		1.271		+0.785		1.151		−0.571	
a, *a′*	+3.2		+19.7		+3.6		+19.5		+3.3		+19.5		+2.9		+19.5	
b, *b′*	+0.03		−0.19		+0.11		−0.23		+0.05		−0.23		−0.04		−0.24	

Tag	36) ε Piscium AR.	Δ	36) ε Piscium Dekl.	Δ	38) β Phoenicis AR.	Δ	38) β Phoenicis Dekl.	Δ	42) β Andromedae AR.	Δ	42) β Andromedae Dekl.	Δ	45) υ Piscium AR.	Δ	45) υ Piscium Dekl.	Δ
1934	0h 59m		+7° 32′		1h 3m		−47° 3′		1h 6m		+35° 16′		1h 15m		+26° 55′	
Jan. 0	31.686	107	14.06	64	9.647	223	89.37	20	2.437	147	32.66	38	50.750	126	17.69	43
10	31.579	111	13.42	67	9.424	221	89.57	31	2.290	155	32.28	70	50.624	135	17.26	66
20	31.468	110	12.75	66	9.203	213	89.26	79	2.135	156	31.58	100	50.489	138	16.60	87
30	31.358	104	12.09	63	8.990	198	88.47	127	1.979	148	30.58	124	50.351	133	15.73	104
Feb. 9	31.254	90	11.46	56	8.792	174	87.20	171	1.831	131	29.34	144	50.218	120	14.69	116
19	31.164	71	10.90	47	8.618	145	85.49	210	1.700	106	27.90	158	50.098	99	13.53	124
März 1	31.093	45	10.43	32	8.473	108	83.39	245	1.594	72	26.32	163	49.999	70	12.29	124
11	31.048	12	10.11	15	8.365	64	80.94	276	1.522	31	24.69	161	49.929	35	11.05	118
21	31.036	25	9.96	6	8.301	16	78.18	300	1.491	17	23.08	151	49.894	8	9.87	106
31	31.061	65	10.02	29	8.285	37	75.18	318	1.508	68	21.57	133	49.902	54	8.81	88
Apr. 10	31.126	109	10.31	54	8.322	93	72.00	329	1.576	121	20.24	110	49.956	104	7.93	65
20	31.235	152	10.85	81	8.415	148	68.71	335	1.697	174	19.14	80	50.060	153	7.28	36
30	31.387	194	11.66	106	8.563	203	65.36	333	1.871	224	18.34	46	50.213	199	6.92	6
Mai 10	31.581	231	12.72	131	8.766	255	62.03	323	2.095	269	17.88	9	50.412	243	6.86	27
20	31.812	264	14.03	153	9.021	301	58.80	307	2.364	308	17.79	28	50.655	280	7.13	60
30	32.076	290	15.56	171	9.322	340	55.73	283	2.672	338	18.07	66	50.935	311	7.73	92
Juni 9	32.366	309	17.27	186	9.662	371	52.90	252	3.010	361	18.73	102	51.246	333	8.65	122
19	32.675	321	19.13	196	10.033	393	50.38	216	3.371	373	19.75	136	51.579	348	9.87	149
29	32.996	324	21.09	200	10.426	404	48.22	173	3.744	377	21.11	166	51.927	352	11.36	172
Juli 9	33.320	319	23.09	201	10.830	404	46.49	127	4.121	371	22.77	191	52.279	348	13.08	190
19	33.639	306	25.10	194	11.234	393	45.22	77	4.492	356	24.68	213	52.627	338	14.98	204
29	33.945	286	27.04	185	11.627	373	44.45	25	4.848	335	26.81	228	52.965	319	17.02	212
Aug. 8	34.231	262	28.89	170	12.000	343	44.20	27	5.183	307	29.09	239	53.284	294	19.14	217
18	34.493	233	30.59	152	12.343	303	44.47	78	5.490	274	31.48	244	53.578	264	21.31	215
28	34.726	200	32.11	132	12.646	258	45.25	124	5.764	238	33.92	245	53.842	232	23.46	210
Sept. 7	34.926	165	33.43	109	12.904	207	46.49	167	6.002	199	36.37	241	54.074	197	25.56	201
17	35.091	131	34.52	86	13.111	153	48.16	203	6.201	160	38.78	232	54.271	161	27.57	189
27	35.222	97	35.38	64	13.264	97	50.19	229	6.361	120	41.10	220	54.432	124	29.46	173
Okt. 6*)	6 35.319	63	36.02	41	7 13.361	42	52.48	248	8 6.481	82	43.30	204	11 54.556	90	31.19	156
16	35.382	33	36.43	22	13.403	10	54.96	255	6.563	46	45.34	185	54.646	56	32.75	136
26	35.415	6	36.65	2	13.393	58	57.51	251	6.609	11	47.19	162	54.702	25	34.11	116
Nov. 5	35.421	20	36.67	14	13.335	102	60.02	239	6.620	21	48.81	137	54.727	5	35.27	94
15	35.401	43	36.53	28	13.233	140	62.41	215	6.599	51	50.18	110	54.722	34	36.21	70
25	35.358	62	36.25	40	13.093	171	64.56	183	6.548	79	51.28	79	54.688	59	36.91	45
Dez. 5	35.296	80	35.85	50	12.922	195	66.39	145	6.469	104	52.07	48	54.629	82	37.36	21
15	35.216	93	35.35	58	12.727	212	67.84	100	6.365	125	52.55	14	54.547	103	37.57	5
25	35.123	104	34.77	63	12.515	223	68.84	52	6.240	141	52.69	19	54.444	120	37.52	29
35	35.019		34.14		12.292		69.36		6.099		52.50		54.324		37.23	
Mittl. Ort	30.923		6.85		8.365		79.58		1.793		16.04		49.982		3.54	
sec δ, tg δ	1.009		+0.132		1.468		−1.075		1.225		+0.707		1.122		+0.508	
a, *a′*	+3.1		+19.4		+2.7		+19.3		+3.3		+19.2		+3.3		+19.0	
b, *b′*	+0.01		− 0.26		−0.07		− 0.27		+0.05		− 0.28		+0.03		− 0.32	

*) Bei Stern 38), 42) und 45) lies Okt. 7

Tag	47) ϑ Ceti AR.		47) ϑ Ceti Dekl.		48) δ Cassiopeiae AR.		48) δ Cassiopeiae Dekl.		50) η Piscium AR.		50) η Piscium Dekl.		51) 40 Cassiopeiae AR.		51) 40 Cassiopeiae Dekl.	
1934	$1^h 20^m$		−8° 30′		$1^h 21^m$		+59° 53′		$1^h 27^m$		+15° 0′		$1^h 33^m$		+72° 42′	
Jan. 0	44.404	111	82.32	70	29.488	299	57.72	25	57.764	109	32.21	53	12.88	57	41.74	71
10	44.293	117	83.02	53	29.189	317	57.97	27	57.655	118	31.68	63	12.31	61	42.45	11
20	44.176	119	83.55	35	28.872	319	57.70	79	57.537	123	31.05	71	11.70	61	42.56	48
30	44.057	116	83.90	15	28.553	307	56.91	127	57.414	121	30.34	76	11.09	59	42.08	105
Feb. 9	43.941	106	84.05	5	28.246	279	55.64	169	57.293	113	29.58	76	10.50	55	41.03	158
19	43.835	89	84.00	28	27.967	237	53.95	204	57.180	96	28.82	74	9.95	47	39.45	203
März 1	43.746	65	83.72	51	27.730	180	51.91	230	57.084	71	28.08	67	9.48	38	37.42	239
11	43.681	36	83.21	74	27.550	111	49.61	245	57.013	40	27.41	55	9.10	26	35.03	265
21	43.645	1	82.47	99	27.439	33	47.16	251	56.973	3	26.86	39	8.84	13	32.38	280
31	43.644	39	81.48	123	27.406	50	44.65	245	56.970	39	26.47	19	8.71	0	29.58	283
Apr. 10	43.683	81	80.25	146	27.456	137	42.20	229	57.009	85	26.28	5	8.71	15	26.75	274
20	43.764	125	78.79	167	27.593	221	39.91	205	57.094	130	26.33	30	8.86	29	24.01	256
30	43.889	167	77.12	186	27.814	300	37.86	173	57.224	174	26.63	56	9.15	43	21.45	227
Mai 10	44.056	207	75.26	201	28.114	373	36.13	134	57.398	217	27.19	84	9.58	54	19.18	191
20	44.263	242	73.25	213	28.487	434	34.79	90	57.615	253	28.03	109	10.12	64	17.27	149
30	44.505	273	71.12	219	28.921	484	33.89	44	57.868	284	29.12	134	10.76	73	15.78	102
Juni 9	44.778	295	68.93	220	29.405	521	33.45	4	58.152	307	30.46	154	11.49	80	14.76	51
19	45.073	311	66.73	215	29.926	544	33.49	53	58.459	322	32.00	170	12.29	84	14.25	0
29	45.384	318	64.58	206	30.470	553	34.02	98	58.781	330	33.70	183	13.13	86	14.25	51
Juli 9	45.702	319	62.52	190	31.023	549	35.00	143	59.111	329	35.53	190	13.99	86	14.76	102
19	46.021	309	60.62	169	31.572	533	36.43	183	59.440	321	37.43	192	14.85	84	15.78	149
29	46.330	295	58.93	145	32.105	506	38.26	219	59.761	305	39.35	191	15.69	81	17.27	194
Aug. 8	46.625	273	57.48	116	32.611	469	40.45	250	60.066	284	41.26	183	16.50	76	19.21	234
18	46.898	246	56.32	86	33.080	425	42.95	276	60.350	258	43.09	173	17.26	69	21.55	268
28	47.144	216	55.46	54	33.505	373	45.71	297	60.608	228	44.82	158	17.95	62	24.23	298
Sept. 7	47.360	183	54.92	23	33.878	318	48.68	310	60.836	196	46.40	142	18.57	53	27.21	322
17	47.543	147	54.69	8	34.196	260	51.78	318	61.032	162	47.82	123	19.10	44	30.43	339
27	47.690	113	54.77	35	34.456	198	54.96	320	61.194	130	49.05	103	19.54	34	33.82	349
Okt. 7	[12] 47.803	80	55.12	60	[12] 34.654	137	58.16	316	[14] 61.324	97	50.08	83	[15] 19.88	23	37.31	352
16	47.883	48	55.72	79	34.791	76	61.32	304	61.421	66	50.91	63	20.11	12	40.83	349
26	47.931	18	56.51	93	34.867	14	64.36	287	61.487	36	51.54	44	20.23	2	44.32	336
Nov. 5	47.949	10	57.44	103	34.881	45	67.23	263	61.523	8	51.98	26	20.25	9	47.68	317
15	47.939	35	58.47	107	34.836	103	69.86	232	61.531	19	52.24	8	20.16	20	50.85	288
25	47.904	57	59.54	106	34.733	158	72.18	196	61.512	43	52.32	7	19.96	30	53.73	253
Dez. 5	47.847	76	60.60	101	34.575	207	74.14	153	61.469	65	52.25	22	19.66	40	56.26	210
15	47.771	93	61.61	92	34.368	250	75.67	106	61.404	85	52.03	36	19.26	47	58.36	160
25	47.678	106	62.53	80	34.118	284	76.73	56	61.319	101	51.67	48	18.79	54	59.96	105
35	47.572		63.33		33.834		77.29		61.218		51.19		18.25		61.01	
Mittl. Ort	43.420		84.37		28.826		34.71		56.860		21.86		12.02		16.64	
sec δ, tg δ	1.011		−0.150		1.994		+1.725		1.035		+0.268		3.364		+3.211	
a, *a′*	+3.0		+18.8		+3.9		+18.8		+3.2		+18.6		+4.8		+18.4	
b, *b′*	−0.01		−0.35		+0.11		−0.35		+0.02		−0.37		+0.20		−0.40	

Tag	52) υ Persei AR.	Δ	52) υ Persei Dekl.	Δ	54) α Eridani AR.	Δ	54) α Eridani Dekl.	Δ	55) 43 Cassiopeiae AR.	Δ	55) 43 Cassiopeiae Dekl.	Δ	57) φ Persei AR.	Δ	57) φ Persei Dekl.	Δ
1934	$1^h 33^m$		+48° 17′		$1^h 35^m$		−57° 33′		$1^h 37^m$		+67° 42′		$1^h 39^m$		+50° 21′	
Jan. 0	56.630	195	60.69	12	17.328	323	88.87	42	26.35	42	60.96	63	31.588	206	46.13	22
10	56.435	213	60.81	32	17.005	330	89.29	15	25.93	45	61.59	7	31.382	225	46.35	23
20	56.222	219	60.49	74	16.675	326	89.14	71	25.48	46	61.66	50	31.157	234	46.12	66
30	56.003	216	59.75	113	16.349	313	88.43	124	25.02	45	61.16	105	30.923	231	45.46	108
Feb. 9	55.787	201	58.62	146	16.036	289	87.19	175	24.57	41	60.11	153	30.692	216	44.38	143
19	55.586	173	57.16	174	15.747	256	85.44	221	24.16	36	58.58	197	30.476	189	42.95	173
März 1	55.413	135	55.42	193	15.491	214	83.23	261	23.80	29	56.61	231	30.287	150	41.22	195
11	55.278	86	53.49	204	15.277	162	80.62	295	23.51	20	54.30	254	30.137	99	39.27	208
21	55.192	29	51.45	206	15.115	104	77.67	322	23.31	11	51.76	267	30.038	41	37.19	212
31	55.163	33	49.39	198	15.011	40	74.45	344	23.20	1	49.09	269	29.997	25	35.07	206
Apr. 10	55.196	99	47.41	182	14.971	28	71.01	356	23.21	13	46.40	260	30.022	93	33.01	192
20	55.295	164	45.59	158	14.999	99	67.45	363	23.34	23	43.80	241	30.115	161	31.09	170
30	55.459	228	44.01	127	15.098	169	63.82	361	23.57	34	41.39	213	30.276	228	29.39	140
Mai 10	55.687	286	42.74	92	15.267	236	60.21	350	23.91	43	39.26	177	30.504	288	27.99	105
20	55.973	336	41.82	52	15.503	299	56.71	333	24.34	52	37.49	135	30.792	342	26.94	66
30	56.309	378	41.30	12	15.802	355	53.38	308	24.86	59	36.14	90	31.134	386	26.28	25
Juni 9	56.687	410	41.18	30	16.157	402	50.30	275	25.45	64	35.24	41	31.520	421	26.03	17
19	57.097	431	41.48	72	16.559	439	47.55	235	26.09	68	34.83	9	31.941	443	26.20	60
29	57.528	441	42.20	112	16.998	463	45.20	189	26.77	70	34.92	58	32.384	456	26.80	100
Juli 9	57.969	441	43.32	148	17.461	475	43.31	139	27.47	70	35.50	106	32.840	456	27.80	137
19	58.410	430	44.80	180	17.936	475	41.92	84	28.17	69	36.56	152	33.296	447	29.17	173
29	58.840	412	46.60	208	18.411	461	41.08	28	28.86	66	38.08	194	33.743	429	30.90	202
Aug. 8	59.252	384	48.68	232	18.872	434	40.80	30	29.52	62	40.02	231	34.172	402	32.92	228
18	59.636	351	51.00	250	19.306	397	41.10	86	30.14	57	42.33	263	34.574	369	35.20	248
28	59.987	312	53.50	263	19.703	347	41.96	139	30.71	50	44.96	291	34.943	331	37.68	263
Sept. 7	60.299	271	56.13	271	20.050	290	43.35	188	31.21	44	47.87	312	35.274	288	40.31	273
17	60.570	227	58.84	274	20.340	226	45.23	228	31.65	37	50.99	326	35.562	243	43.04	278
27	60.797	182	61.58	271	20.566	157	47.51	260	32.02	29	54.25	336	35.805	196	45.82	277
Okt. 7	60.979	136	64.29	264	20.723	88	50.11	282	32.31	21	57.61	337	36.001	149	48.59	272
16*)	[15] 61.115	90	66.93	251	[16] 20.811	17	52.93	294	[16] 32.52	12	60.98	332	[17] 36.150	102	51.31	261
26	61.205	46	69.44	234	20.828	51	55.87	292	32.64	4	64.30	320	36.252	54	53.92	244
Nov. 5	61.251	1	71.78	211	20.777	113	58.79	280	32.68	4	67.50	299	36.306	8	56.36	223
15	61.252	41	73.89	185	20.664	171	61.59	257	32.64	13	70.49	273	36.314	38	58.59	197
25	61.211	81	75.74	153	20.493	220	64.16	223	32.51	20	73.22	238	36.276	81	60.56	166
Dez. 5	61.130	120	77.27	117	20.273	262	66.39	180	32.31	28	75.60	196	36.195	123	62.22	130
15	61.010	154	78.44	77	20.011	295	68.19	132	32.03	34	77.56	148	36.072	160	63.52	90
25	60.856	183	79.21	36	19.716	317	69.51	79	31.69	39	79.04	96	35.912	191	64.42	47
35	60.673		79.57		19.399		70.30		31.30		80.00		35.721		64.89	
Mittl. Ort	55.777		40.22		15.552		78.14		25.42		36.57		30.674		25.15	
sec δ, tg δ	1.503		+1.122		1.865		−1.574		2.636		+2.439		1.567		+1.207	
a, *a′*	+3.7		+18.4		+2.2		+18.3		+4.4		+18.3		+3.8		+18.2	
b, *b′*	+0.07		− 0.40		−0.10		− 0.40		+0.15		− 0.41		+0.07		− 0.42	

*) Bei Stern 57) lies Okt. 17

Scheinbare Sternörter 1934

Tag	59) τ Ceti[1] AR.		59) τ Ceti[1] Dekl.		60) ο Piscium AR.		60) ο Piscium Dekl.		61) Lac. ε Sculptoris AR.		61) Lac. ε Sculptoris Dekl.		62) ζ Ceti AR.		62) ζ Ceti Dekl.	
1934	$1^h 41^m$		—16° 16′		$1^h 41^m$		+8° 49′		$1^h 42^m$		—25° 22′		$1^h 48^m$		—10° 39′	
	s		″		s		″		s		″		s		″	
Jan. 0	1.228	122	64.66	73	55.339	103	42.73	58	34.460	136	58.90	79	13.242	109	35.77	80
10	1.106	131	65.39	49	55.236	115	42.15	61	34.324	145	59.69	46	13.133	122	36.57	60
20	0.975	136	65.88	22	55.121	121	41.54	62	34.179	150	60.15	11	13.011	129	37.17	39
30	0.839	135	66.10	5	55.000	123	40.92	59	34.029	149	60.26	25	12.882	129	37.56	17
Feb. 9	0.704	127	66.05	34	54.877	116	40.33	55	33.880	140	60.01	60	12.753	124	37.73	7
19	0.577	112	65.71	62	54.761	102	39.78	47	33.740	124	59.41	94	12.629	110	37.66	31
März 1	0.465	89	65.09	90	54.659	81	39.31	36	33.616	102	58.47	127	12.519	90	37.35	56
11	0.376	61	64.19	118	54.578	51	38.95	21	33.514	72	57.20	157	12.429	63	36.79	81
21	0.315	26	63.01	144	54.527	16	38.74	3	33.442	35	55.63	187	12.366	29	35.98	106
31	0.289	14	61.57	169	54.511	24	38.71	17	33.407	5	53.76	212	12.337	10	34.92	131
Apr. 10	0.303	57	59.88	191	54.535	67	38.88	39	33.412	50	51.64	234	12.347	52	33.61	153
20	0.360	101	57.97	210	54.602	113	39.27	64	33.462	96	49.30	252	12.399	97	32.08	176
30	0.461	146	55.87	227	54.715	157	39.91	89	33.558	143	46.78	264	12.496	140	30.32	195
Mai 10	0.607	188	53.60	238	54.872	199	40.80	111	33.701	188	44.14	272	12.636	183	28.37	209
20	0.795	226	51.22	245	55.071	237	41.91	134	33.889	228	41.42	274	12.819	221	26.28	220
30	1.021	259	48.77	245	55.308	268	43.25	153	34.117	263	38.68	269	13.040	255	24.08	226
Juni 9	1.280	286	46.32	241	55.576	294	44.78	169	34.380	292	35.99	258	13.295	282	21.82	226
19	1.566	304	43.91	230	55.870	311	46.47	180	34.672	315	33.41	240	13.577	301	19.56	221
29	1.870	316	41.61	213	56.181	321	48.27	186	34.987	327	31.01	216	13.878	313	17.35	210
Juli 9	2.186	319	39.48	191	56.502	323	50.13	189	35.314	332	28.85	186	14.191	318	15.25	193
19	2.505	314	37.57	164	56.825	318	52.02	185	35.646	329	26.99	151	14.509	314	13.32	171
29	2.819	301	35.93	132	57.143	304	53.87	177	35.975	318	25.48	113	14.823	304	11.61	145
Aug. 8	3.120	282	34.61	97	57.447	286	55.64	164	36.293	299	24.35	71	15.127	286	10.16	115
18	3.402	258	33.64	60	57.733	262	57.28	149	36.592	274	23.64	27	15.413	263	9.01	83
28	3.660	228	33.04	22	57.995	234	58.77	130	36.866	244	23.37	15	15.676	236	8.18	48
Sept. 7	3.888	196	32.82	14	58.229	204	60.07	108	37.110	210	23.52	56	15.912	206	7.70	14
17	4.084	162	32.96	49	58.433	172	61.15	87	37.320	173	24.08	95	16.118	173	7.56	19
27	4.246	126	33.45	79	58.605	140	62.02	64	37.493	136	25.03	127	16.291	140	7.75	48
Okt. 7	4.372	91	34.24	106	58.745	109	62.66	43	37.629	98	26.30	155	16.431	107	8.23	75
17	4.463	58	35.30	125	58.854	77	63.09	23	37.727	61	27.85	175	16.538	74	8.98	96
26	17 4.521	25	36.55	139	17 58.931	48	63.32	5	17 37.788	26	29.60	187	19 16.612	43	9.94	112
Nov. 5	4.546	4	37.94	146	58.979	20	63.37	11	37.814	7	31.47	190	16.655	14	11.06	121
15	4.542	33	39.40	146	58.999	7	63.26	25	37.807	38	33.37	185	16.669	14	12.27	126
25	4.509	57	40.86	140	58.992	32	63.01	36	37.769	67	35.22	174	16.655	39	13.53	124
Dez. 5	4.452	81	42.26	128	58.960	55	62.65	46	37.702	91	36.96	155	16.616	64	14.77	117
15	4.371	100	43.54	111	58.905	77	62.19	53	37.611	112	38.51	130	16.552	84	15.94	107
25	4.271	116	44.65	90	58.828	94	61.66	58	37.499	129	39.81	101	16.468	102	17.01	92
35	4.155		45.55		58.734		61.08		37.370		40.82		16.366		17.93	
Mittl. Ort	0.100		64.48		54.322		34.30		33.228		56.07		12.094		37.73	
sec δ, tg δ	1.042		—0.292		1.012		+0.155		1.107		—0.474		1.018		—0.188	
a, *a′*	+2.9		+18.1		+3.2		+18.1		+2.8		+18.1		+3.0		+17.9	
b, *b′*	—0.02		— 0.43		+0.01		— 0.43		—0.03		— 0.43		—0.01		— 0.45	

[1]) Die jährliche Parallaxe (0.″31) ist bereits berücksichtigt.

Tag	64) α Trianguli AR.	Δ	64) α Trianguli Dekl.	Δ	63) ε Cassiopeiae AR.	Δ	63) ε Cassiopeiae Dekl.	Δ	65) ξ Piscium AR.	Δ	65) ξ Piscium Dekl.	Δ	66) β Arietis AR.	Δ	66) β Arietis Dekl.	Δ
1934	$1^h 49^m$		+29° 15′		$1^h 49^m$		+63° 20′		$1^h 50^m$		+2° 51′		$1^h 50^m$		+20° 29′	
Jan. 0	$19^s.804$	122	44″.19	21	$38^s.57$	33	69″.38	66	$9^s.276$	100	50″.75	66	$60^s.377$	108	22″.54	38
10	19.682	139	43.98	45	38.24	36	70.04	13	9.176	114	50.09	62	60.269	123	22.16	52
20	19.543	148	43.53	67	37.88	37	70.17	41	9.062	123	49.47	55	60.146	133	21.64	66
30	19.395	150	42.86	88	37.51	37	69.76	93	8.939	124	48.92	47	60.013	135	20.98	76
Feb. 9	19.245	144	41.98	104	37.14	35	68.83	140	8.815	119	48.45	37	59.878	130	20.22	84
19	19.101	127	40.94	115	36.79	31	67.43	181	8.696	107	48.08	23	59.748	116	19.38	88
März 1	18.974	103	39.79	122	36.48	26	65.62	214	8.589	86	47.85	8	59.632	94	18.50	86
11	18.871	69	38.57	122	36.22	18	63.48	238	8.503	59	47.77	10	59.538	63	17.64	79
21	18.802	28	37.35	115	36.04	10	61.10	252	8.444	25	47.87	30	59.475	26	16.85	69
31	18.774	19	36.20	102	35.94	1	58.58	254	8.419	14	48.17	52	59.449	17	16.16	52
Apr. 10	18.793	69	35.18	84	35.93	9	56.04	246	8.433	57	48.69	74	59.466	64	15.64	33
20	18.862	120	34.34	60	36.02	19	53.58	229	8.490	101	49.43	98	59.530	111	15.31	8
30	18.982	170	33.74	33	36.21	27	51.29	203	8.591	145	50.41	120	59.641	159	15.23	17
Mai 10	19.152	218	33.41	3	36.48	36	49.26	170	8.736	188	51.61	141	59.800	203	15.40	44
20	19.370	261	33.38	27	36.84	44	47.56	131	8.924	226	53.02	159	60.003	244	15.84	72
30	19.631	296	33.65	59	37.28	50	46.25	87	9.150	258	54.61	175	60.247	278	16.56	99
Juni 9	19.927	325	34.24	90	37.78	55	45.38	41	9.408	285	56.36	186	60.525	305	17.55	122
19	20.252	344	35.14	116	38.33	58	44.97	7	9.693	303	58.22	192	60.830	325	18.77	143
29	20.596	355	36.30	141	38.91	61	45.04	53	9.996	315	60.14	193	61.155	335	20.20	160
Juli 9	20.951	358	37.71	163	39.52	61	45.57	99	10.311	319	62.07	190	61.490	338	21.80	173
19	21.309	353	39.34	179	40.13	60	46.56	142	10.630	314	63.97	181	61.828	334	23.53	181
29	21.662	339	41.13	191	40.73	58	47.98	182	10.944	303	65.78	167	62.162	321	25.34	185
Aug. 8	22.001	320	43.04	198	41.31	55	49.80	218	11.247	286	67.45	149	62.483	303	27.19	185
18	22.321	295	45.02	201	41.86	52	51.98	248	11.533	264	68.94	128	62.786	280	29.04	179
28	22.616	266	47.03	200	42.38	46	54.46	274	11.797	237	70.22	104	63.066	252	30.83	170
Sept. 7	22.882	234	49.03	195	42.84	40	57.20	294	12.034	208	71.26	79	63.318	222	32.53	158
17	23.116	200	50.98	186	43.24	35	60.14	308	12.242	177	72.05	53	63.540	191	34.11	144
27	23.316	167	52.84	174	43.59	28	63.22	317	12.419	145	72.58	29	63.731	158	35.55	127
Okt. 7	23.483	131	54.58	161	43.87	21	66.39	318	12.564	114	72.87	5	63.889	125	36.82	110
17	23.614	98	56.19	145	44.08	15	69.57	315	12.678	83	72.92	16	64.014	94	37.92	93
26	(19) 23.712	64	57.64	127	(19) 44.23	7	72.72	303	(19) 12.761	53	72.76	33	(20) 64.108	63	38.85	74
Nov. 5	23.776	31	58.91	108	44.30	1	75.75	285	12.814	25	72.43	47	64.171	32	39.59	57
15	23.807	1	59.99	88	44.31	7	78.60	260	12.839	2	71.96	59	64.203	3	40.16	39
25	23.806	31	60.87	65	44.24	13	81.20	228	12.837	28	71.37	65	64.206	25	40.55	21
Dez. 5	23.775	60	61.52	42	44.11	20	83.48	190	12.809	52	70.72	69	64.181	51	40.76	3
15	23.715	88	61.94	18	43.91	26	85.38	146	12.757	73	70.03	72	64.130	77	40.79	13
25	23.627	111	62.12	7	43.65	30	86.84	96	12.684	93	69.31	70	64.053	98	40.66	30
35	23.516		62.05		43.35		87.80		12.591		68.61		63.955		40.36	
Mittl. Ort	18.791		29.00		37.46		45.76		8.187		44.22		59.338		10.12	
sec δ, tg δ	1.146		+0.560		2.229		+1.992		1.001		+0.050		1.068		+0.374	
a, a'	+3.4		+17.8		+4.3		+17.8		+3.1		+17.8		+3.3		+17.7	
b, b'	+0.03		— 0.46		+0.12		— 0.46		0.00		— 0.46		+0.02		— 0.47	

Tag	67) ψ Phoenicis AR.		67) ψ Phoenicis Dekl.		68) χ Eridani AR.		68) χ Eridani Dekl.		72) α Hydri AR.		72) α Hydri Dekl.		71) υ Ceti AR.		71) υ Ceti Dekl.	
1934	1h 50m		−46° 36′		1h 53m		−51° 55′		1h 56m		−61° 52′		1h 56m		−21° 23′	
	s		″		s		″		s		″		s		″	
Jan. 0	61.633	224	100.36	76	25.070	262	83.22	73	43.50	39	96.99	64	54.975	125	50.17	89
10	61.409	235	101.12	26	24.808	275	83.95	18	43.11	40	97.63	6	54.850	138	51.06	59
20	61.174	239	101.38	26	24.533	278	84.13	36	42.71	40	97.69	53	54.712	145	51.65	27
30	60.935	235	101.12	76	24.255	272	83.77	88	42.31	39	97.16	109	54.567	147	51.92	5
Feb. 9	60.700	222	100.36	124	23.983	258	82.89	138	41.92	37	96.07	162	54.420	142	51.87	38
19	60.478	201	99.12	169	23.725	234	81.51	186	41.55	34	94.45	210	54.278	129	51.49	70
März 1	60.277	171	97.43	210	23.491	201	79.65	227	41.21	29	92.35	254	54.149	108	50.79	102
11	60.106	133	95.33	246	23.290	158	77.38	265	40.92	24	89.81	291	54.041	81	49.77	133
21	59.973	88	92.87	277	23.132	109	74.73	295	40.68	18	86.90	321	53.960	47	48.44	162
31	59.885	38	90.10	303	23.023	54	71.78	321	40.50	11	83.69	345	53.913	7	46.82	187
Apr. 10	59.847	18	87.07	322	22.969	7	68.57	338	40.39	2	80.24	361	53.906	37	44.95	211
20	59.865	75	83.85	333	22.976	69	65.19	350	40.37	5	76.63	369	53.943	82	42.84	230
30	59.940	133	80.52	340	23.045	133	61.69	353	40.42	13	72.94	369	54.025	129	40.54	246
Mai 10	60.073	189	77.12	337	23.178	195	58.16	349	40.55	21	69.25	361	54.154	173	38.08	257
20	60.262	242	73.75	327	23.373	253	54.67	337	40.76	28	65.64	346	54.327	213	35.51	262
30	60.504	288	70.48	311	23.626	304	51.30	317	41.04	35	62.18	321	54.540	250	32.89	260
Juni 9	60.792	328	67.37	285	23.930	350	48.13	290	41.39	42	58.97	290	54.790	280	30.29	254
19	61.120	360	64.52	254	24.280	385	45.23	255	41.81	46	56.07	250	55.070	303	27.75	240
29	61.480	381	61.98	215	24.665	411	42.68	213	42.27	49	53.57	206	55.373	318	25.35	220
Juli 9	61.861	393	59.83	170	25.076	424	40.55	167	42.76	51	51.51	154	55.691	325	23.15	194
19	62.254	394	58.13	122	25.500	428	38.88	116	43.27	53	49.97	99	56.016	323	21.21	163
29	62.648	385	56.91	70	25.928	419	37.72	60	43.80	51	48.98	41	56.339	314	19.58	128
Aug. 8	63.033	365	56.21	15	26.347	400	37.12	4	44.31	50	48.57	19	56.653	299	18.30	89
18	63.398	338	56.06	39	26.747	370	37.08	52	44.81	46	48.76	77	56.952	276	17.41	47
28	63.736	301	56.45	92	27.117	331	37.60	106	45.27	41	49.53	133	57.228	249	16.94	7
Sept. 7	64.037	259	57.37	140	27.448	285	38.66	157	45.68	35	50.86	184	57.477	219	16.87	34
17	64.296	211	58.77	185	27.733	232	40.23	201	46.03	29	52.70	229	57.696	184	17.21	73
27	64.507	160	60.62	222	27.965	174	42.24	237	46.32	21	54.99	264	57.880	149	17.94	106
Okt. 7	64.667	108	62.84	247	28.139	116	44.61	265	46.53	12	57.63	291	58.029	114	19.00	134
17	64.775	56	65.31	265	28.255	57	47.26	281	46.65	5	60.54	306	58.143	78	20.34	157
26	64.831	4	67.96	272	28.312	2	50.07	287	46.70	3	63.60	309	58.221	44	21.91	171
Nov. 5	64.835	44	70.68	268	28.310	58	52.94	280	46.67	10	66.69	299	58.265	11	23.62	178
15	64.791	89	73.36	254	28.252	109	55.74	264	46.57	18	69.68	277	58.276	19	25.40	177
25	64.702	128	75.90	228	28.143	154	58.38	236	46.39	24	72.45	246	58.257	48	27.17	169
Dez. 5	64.574	164	78.18	195	27.989	195	60.74	199	46.15	29	74.91	205	58.209	73	28.86	154
15	64.410	193	80.13	154	27.794	228	62.73	156	45.86	34	76.96	155	58.136	97	30.40	133
25	64.217	216	81.67	108	27.566	253	64.29	107	45.52	38	78.51	101	58.039	117	31.73	108
35	64.001		82.75		27.313		65.36		45.14		79.52		57.922		32.81	
Mittl. Ort	60.052		92.31		23.344		74.20		41.37		86.48		53.704		48.95	
sec δ, tg δ	1.456		−1.058		1.622		−1.277		2.122		−1.872		1.074		−0.392	
a, a′	+2.4		+17.7		+2.3		+17.6		+1.9		+17.5		+2.8		+17.5	
b, b′	−0.06		−0.47		−0.07		−0.48		−0.11		−0.49		−0.02		−0.49	

Tag	70) 50 Cassiopeiae AR.		70) 50 Cassiopeiae Dekl.		73) γ Andromedae AR.		73) γ Andromedae Dekl.		74) α Arietis AR.		74) α Arietis Dekl.		75) β Trianguli AR.		75) β Trianguli Dekl.	
1934	$1^h 57^m$		+72° 6′		$1^h 59^m$		+42° 0′		$2^h 3^m$		+23° 9′		$2^h 5^m$		+34° 40′	
Jan. 0	46.87	52	36.12	99	51.428	154	68.61	19	27.961	108	17.76	27	37.669	127	50.36	3
10	46.35	57	37.11	42	51.274	176	68.80	18	27.853	125	17.49	45	37.542	149	50.39	26
20	45.78	59	37.53	16	51.098	189	68.62	53	27.728	138	17.04	60	37.393	163	50.13	54
30	45.19	59	37.37	75	50.909	193	68.09	87	27.590	142	16.44	74	37.230	168	49.59	80
Feb. 9	44.60	55	36.62	129	50.716	186	67.22	116	27.448	139	15.70	84	37.062	164	48.79	102
19	44.05	50	35.33	177	50.530	168	66.06	140	27.309	127	14.86	91	36.898	150	47.77	120
März 1	43.55	42	33.56	217	50.362	139	64.66	159	27.182	105	13.95	93	36.748	125	46.57	132
11	43.13	32	31.39	248	50.223	100	63.07	169	27.077	76	13.02	89	36.623	91	45.25	139
21	42.81	19	28.91	268	50.123	52	61.38	172	27.001	39	12.13	82	36.532	49	43.86	137
31	42.62	6	26.23	277	50.071	3	59.66	166	26.962	5	11.31	68	36.483	0	42.49	129
Apr. 10	42.56	7	23.46	275	50.074	61	58.00	154	26.967	52	10.63	49	36.483	53	41.20	115
20	42.63	21	20.71	262	50.135	121	56.46	133	27.019	101	10.14	28	36.536	108	40.05	95
30	42.84	35	18.09	239	50.256	181	55.13	108	27.120	150	9.86	2	36.644	161	39.10	69
Mai 10	43.19	47	15.70	209	50.437	236	54.05	76	27.270	196	9.84	24	36.805	213	38.41	41
20	43.66	58	13.61	170	50.673	286	53.29	42	27.466	238	10.08	52	37.018	260	38.00	9
30	44.24	67	11.91	127	50.959	328	52.87	8	27.704	275	10.60	79	37.278	299	37.91	23
Juni 9	44.91	74	10.64	81	51.287	363	52.79	30	27.979	303	11.39	104	37.577	332	38.14	54
19	45.65	80	9.83	31	51.650	387	53.09	66	28.282	326	12.43	126	37.909	355	38.68	86
29	46.45	84	9.52	19	52.037	401	53.75	99	28.608	338	13.69	146	38.264	369	39.54	115
Juli 9	47.29	85	9.71	68	52.438	406	54.74	131	28.946	343	15.15	162	38.633	376	40.69	140
19	48.14	84	10.39	116	52.844	403	56.05	159	29.289	341	16.77	172	39.009	372	42.09	161
29	48.98	82	11.55	161	53.247	390	57.64	183	29.630	330	18.49	179	39.381	362	43.70	179
Aug. 8	49.80	78	13.16	203	53.637	370	59.47	202	29.960	313	20.28	181	39.743	345	45.49	192
18	50.58	73	15.19	239	54.007	344	61.49	218	30.273	292	22.09	179	40.088	321	47.41	201
28	51.31	66	17.58	272	54.351	313	63.67	227	30.565	267	23.88	173	40.409	294	49.42	205
Sept. 7	51.97	59	20.30	298	54.664	279	65.94	233	30.832	237	25.61	163	40.703	262	51.47	205
17	52.56	50	23.28	318	54.943	242	68.27	235	31.069	206	27.24	152	40.965	229	53.52	202
27	53.06	41	26.46	334	55.185	203	70.62	232	31.275	174	28.76	138	41.194	194	55.54	195
Okt. 7	53.47	32	29.80	341	55.388	163	72.94	225	31.449	142	30.14	122	41.388	159	57.49	185
17	53.79	21	33.21	341	55.551	124	75.19	214	31.591	110	31.36	106	41.547	123	59.34	173
26	54.00	10	36.62	335	55.675	83	77.33	200	31.701	78	32.42	88	41.670	87	61.07	158
Nov. 5	54.10	0	39.97	321	55.758	44	79.33	182	31.779	46	33.30	72	41.757	51	62.65	140
15	54.10	11	43.18	298	55.802	3	81.15	159	31.825	16	34.02	53	41.808	16	64.05	120
25	53.99	21	46.16	267	55.805	35	82.74	134	31.841	14	34.55	36	41.824	19	65.25	98
Dez. 5	53.78	32	48.83	229	55.770	72	84.08	105	31.827	44	34.91	18	41.805	53	66.23	73
15	53.46	41	51.12	183	55.698	108	85.13	73	31.783	71	35.09	0	41.752	85	66.96	46
25	53.05	48	52.95	132	55.590	139	85.86	39	31.712	96	35.09	18	41.667	114	67.42	19
35	52.57		54.27		55.451		86.25		31.616		34.91		41.553		67.61	
Mittl. Ort	45.40		11.29		50.319		49.79		26.840		4.43		36.527		33.57	
sec δ, tg δ	3.254		+3.096		1.346		+0.901		1.088		+0.428		1.216		+0.692	
a, *a′*	+5.1		+17.5		+3.7		+17.4		+3.4		+17.2		+3.6		+17.1	
b, *b′*	+0.18		— 0.49		+0.05		— 0.50		+0.02		— 0.51		+0.04		— 0.52	

Tag	76) 55 Cassiopeiae				78) Lac. μ Fornacis				80) 67 Ceti				85) ξ² Ceti			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1934	2h 9m		+66° 12′		2h 10m		−31° 1′		2h 13m		−6° 43′		2h 24m		+8° 9′	
Jan. 0	18.07	36	82.69	97	1.563	147	61.89	102	42.648	100	28.29	85	40.080	91	63.15	57
10	17.71	40	83.66	42	1.416	163	62.91	63	42.548	117	29.14	69	39.989	111	62.58	58
20	17.31	42	84.08	12	1.253	173	63.54	22	42.431	129	29.83	51	39.878	125	62.00	56
30	16.89	43	83.96	66	1.080	176	63.76	19	42.302	135	30.34	33	39.753	134	61.44	53
Feb. 9	16.46	41	83.30	117	0.904	171	63.57	59	42.167	133	30.67	12	39.619	135	60.91	48
19	16.05	38	82.13	163	0.733	159	62.98	98	42.034	124	30.79	9	39.484	127	60.43	40
März 1	15.67	32	80.50	201	0.574	139	62.00	136	41.910	107	30.70	32	39.357	112	60.03	30
11	15.35	25	78.49	230	0.435	110	60.64	171	41.803	82	30.38	55	39.245	87	59.73	16
21	15.10	16	76.19	249	0.325	74	58.93	202	41.721	51	29.83	79	39.158	55	59.57	2
31	14.94	6	73.70	259	0.251	33	56.91	231	41.670	13	29.04	103	39.103	17	59.55	17
Apr. 10	14.88	5	71.11	256	0.218	12	54.60	254	41.657	29	28.01	126	39.086	25	59.72	37
20	14.93	15	68.55	245	0.230	61	52.06	273	41.686	73	26.75	148	39.111	71	60.09	59
30	15.08	26	66.10	224	0.291	110	49.33	287	41.759	118	25.27	168	39.182	116	60.68	81
Mai 10	15.34	36	63.86	195	0.401	159	46.46	294	41.877	161	23.59	186	39.298	162	61.49	102
20	15.70	44	61.91	159	0.560	204	43.52	295	42.038	202	21.73	200	39.460	202	62.51	123
30	16.14	52	60.32	119	0.764	244	40.57	289	42.240	237	19.73	209	39.662	239	63.74	141
Juni 9	16.66	58	59.13	74	1.008	279	37.68	277	42.477	267	17.64	213	39.901	270	65.15	155
19	17.24	62	58.39	27	1.287	306	34.91	257	42.744	290	15.51	212	40.171	293	66.70	167
29	17.86	66	58.12	19	1.593	325	32.34	230	43.034	305	13.39	206	40.464	309	68.37	173
Juli 9	18.52	68	58.31	66	1.918	337	30.04	197	43.339	313	11.33	193	40.773	318	70.10	174
19	19.20	67	58.97	110	2.255	339	28.07	160	43.652	314	9.40	176	41.091	319	71.84	172
29	19.87	65	60.07	153	2.594	332	26.47	117	43.966	307	7.64	154	41.410	313	73.56	163
Aug. 8	20.52	63	61.60	191	2.926	319	25.30	70	44.273	293	6.10	127	41.723	301	75.19	151
18	21.15	59	63.51	225	3.245	298	24.60	24	44.566	275	4.83	97	42.024	284	76.70	136
28	21.74	54	65.76	255	3.543	271	24.36	25	44.841	251	3.86	66	42.308	262	78.06	116
Sept. 7	22.28	49	68.31	280	3.814	240	24.61	71	45.092	224	3.20	34	42.570	237	79.22	96
17	22.77	42	71.11	298	4.054	204	25.32	113	45.316	195	2.86	1	42.807	209	80.18	73
27	23.19	36	74.09	311	4.258	166	26.45	152	45.511	165	2.85	28	43.016	181	80.91	51
Okt. 7	23.55	28	77.20	319	4.424	127	27.97	182	45.676	133	3.13	55	43.197	151	81.42	29
17	23.83	21	80.39	319	4.551	88	29.79	205	45.809	102	3.68	78	43.348	121	81.71	10
26*)	[24] 24.04	13	83.58	313	[24] 4.639	49	31.84	220	[25] 45.911	71	4.46	96	43.469	91	81.81	9
Nov. 5	24.17	4	86.71	299	4.688	12	34.04	226	45.982	41	5.42	108	[28] 43.560	62	81.72	23
15	24.21	3	89.70	279	4.700	23	36.30	221	46.023	13	6.50	115	43.622	32	81.49	35
25	24.18	11	92.49	251	4.677	57	38.51	208	46.036	16	7.65	117	43.654	3	81.14	44
Dez. 5	24.07	20	95.00	216	4.620	88	40.59	187	46.020	43	8.82	113	43.657	26	80.70	52
15	23.87	26	97.16	174	4.532	114	42.46	159	45.977	68	9.95	106	43.631	53	80.18	56
25	23.61	32	98.90	126	4.418	138	44.05	127	45.909	90	11.01	95	43.578	79	79.62	59
35	23.29		100.16		4.280		45.32		45.819		11.96		43.499		79.03	
Mittl. Ort	16.56		58.86		0.129		58.30		41.388		32.04		38.810		54.50	
sec δ, tg δ	2.480		+2.269		1.167		−0.602		1.007		−0.118		1.010		+0.143	
a, a′	+4.7		+16.9		+2.6		+16.9		+3.0		+16.7		+3.2		+16.2	
b, b′	+0.13		− 0.53		−0.03		− 0.54		−0.01		− 0.55		+0.01		− 0.59	

*) Bei Stern 85) lies Okt. 27

Tag	87) 36 H. Cassiopeiae AR.		Dekl.		90) μ Hydri AR.		Dekl.		89) ν Arietis AR.		Dekl.		91) δ Ceti AR.		Dekl.	
1934	2ʰ 31ᵐ		+72° 31′		2ʰ 32ᵐ		−79° 23′		2ʰ 35ᵐ		+21° 40′		2ʰ 36ᵐ		+0° 2′	
Jan. 0	45.10	48	76.86	140	66.67	116	61.27	87	5.142	92	50.12	20	7.184	89	47.12	77
10	44.62	54	78.26	85	65.51	122	62.14	27	5.050	117	49.92	33	7.095	109	46.35	69
20	44.08	60	79.11	28	64.29	124	62.41	34	4.933	136	49.59	47	6.986	126	45.66	58
30	43.48	61	79.39	30	63.05	124	62.07	93	4.797	145	49.12	58	6.860	136	45.08	45
Feb. 9	42.87	60	79.09	86	61.81	120	61.14	149	4.652	149	48.54	67	6.724	139	44.63	31
19	42.27	56	78.23	139	60.61	112	59.65	201	4.503	143	47.87	74	6.585	133	44.32	16
März 1	41.71	50	76.84	184	59.49	103	57.64	247	4.360	126	47.13	76	6.452	119	44.16	1
11	41.21	40	75.00	221	58.46	90	55.17	286	4.234	101	46.37	75	6.333	97	44.17	20
21	40.81	30	72.79	250	57.56	75	52.31	318	4.133	67	45.62	69	6.236	67	44.37	39
31	40.51	16	70.29	267	56.81	59	49.13	344	4.066	27	44.93	58	6.169	31	44.76	61
Apr. 10	40.35	3	67.62	273	56.22	42	45.69	362	4.039	19	44.35	43	6.138	11	45.37	83
20	40.32	12	64.89	269	55.80	22	42.07	371	4.058	67	43.92	24	6.149	55	46.20	105
30	40.44	25	62.20	255	55.58	3	38.36	373	4.125	117	43.68	3	6.204	100	47.25	125
Mai 10	40.69	39	59.65	232	55.55	16	34.63	367	4.242	165	43.65	21	6.304	145	48.50	145
20	41.08	51	57.33	202	55.71	35	30.96	352	4.407	209	43.86	45	6.449	186	49.95	162
30	41.59	62	55.31	164	56.06	54	27.44	329	4.616	248	44.31	69	6.635	224	51.57	175
Juni 9	42.21	71	53.67	121	56.60	71	24.15	298	4.864	282	45.00	92	6.859	255	53.32	185
19	42.92	78	52.46	77	57.31	85	21.17	260	5.146	307	45.92	112	7.114	281	55.17	190
29	43.70	84	51.69	29	58.16	97	18.57	215	5.453	326	47.04	129	7.395	299	57.07	189
Juli 9	44.54	86	51.40	19	59.13	107	16.42	164	5.779	335	48.33	144	7.694	310	58.96	185
19	45.40	88	51.59	66	60.20	114	14.78	108	6.114	338	49.77	153	8.004	313	60.81	173
29	46.28	87	52.25	111	61.34	116	13.70	50	6.452	334	51.30	159	8.317	309	62.54	158
Aug. 8	47.15	85	53.36	155	62.50	116	13.20	11	6.786	322	52.89	160	8.626	299	64.12	138
18	48.00	81	54.91	195	63.66	112	13.31	73	7.108	305	54.49	158	8.925	284	65.50	115
28	48.81	76	56.86	230	64.78	103	14.04	131	7.413	285	56.07	151	9.209	264	66.65	89
Sept. 7	49.57	69	59.16	261	65.81	91	15.35	185	7.698	260	57.58	143	9.473	241	67.54	61
17	50.26	62	61.77	287	66.72	76	17.20	233	7.958	232	59.01	130	9.714	214	68.15	32
27	50.88	53	64.64	307	67.48	59	19.53	274	8.190	204	60.31	117	9.928	186	68.47	5
Okt. 7	51.41	44	67.71	322	68.07	39	22.27	304	8.394	174	61.48	103	10.114	157	68.52	19
17	51.85	34	70.93	330	68.46	17	25.31	321	8.568	143	62.51	88	10.271	127	68.33	42
27	52.19	23	74.23	330	68.63	4	28.52	328	8.711	112	63.39	73	10.398	98	67.91	61
Nov. 5	[30] 52.42	11	77.53	324	[30] 68.59	27	31.80	322	[31] 8.823	80	64.12	58	[31] 10.496	68	67.30	74
15	52.53	0	80.77	308	68.32	48	35.02	302	8.903	48	64.70	44	10.564	38	66.56	85
25	52.53	11	83.85	286	67.84	67	38.04	272	8.951	16	65.14	29	10.602	8	65.71	90
Dez. 5	52.42	23	86.71	255	67.17	85	40.76	231	8.967	17	65.43	16	10.610	21	64.81	91
15	52.19	34	89.26	215	66.32	100	43.07	181	8.950	48	65.59	1	10.589	49	63.90	89
25	51.85	43	91.41	170	65.32	111	44.88	126	8.902	79	65.60	14	10.540	76	63.01	84
35	51.42		93.11		64.21		46.14		8.823		65.46		10.464		62.17	
Mittl. Ort	42.79		52.71		61.47		51.05		3.812		37.29		5.834		40.91	
sec δ, tg δ	3.331		+3.178		5.435		−5.342		1.076		+0.398		1.000		+0.001	
a, *a′*	+5.7		+15.8		−1.3		+15.7		+3.4		+15.6		+3.1		+15.6	
b, *b′*	+0.17		− 0.61		−0.28		− 0.61		+0.02		− 0.63		0.00		− 0.63	

Scheinbare Sternörter 1934

Tag	93) ϑ Persei AR.		93) ϑ Persei Dekl.		97) π Ceti AR.		97) π Ceti Dekl.		98) μ Ceti AR.		98) μ Ceti Dekl.		100) 41 Arietis AR.		100) 41 Arietis Dekl.	
1934	$2^h 39^m$		+48° 57′		$2^h 40^m$		−14° 7′		$2^h 41^m$		+9° 50′		$2^h 46^m$		+26° 59′	
Jan. 0	42.370 s	158	21.77″	72	60.260 s	101	72.26″	108	23.611 s	84	20.54″	54	7.012 s	93	36.85″	1
10	42.212	193	22.49	33	60.159	122	73.34	84	23.527	106	20.00	54	6.919	120	36.86	17
20	42.019	219	22.82	7	60.037	138	74.18	59	23.421	125	19.46	53	6.799	142	36.69	36
30	41.800	234	22.75	47	59.899	149	74.77	32	23.296	137	18.93	53	6.657	155	36.33	53
Feb. 9	41.566	236	22.28	84	59.750	151	75.09	4	23.159	140	18.40	48	6.502	160	35.80	68
19	41.330	225	21.44	118	59.599	146	75.13	24	23.019	136	17.92	43	6.342	155	35.12	80
März 1	41.105	201	20.26	147	59.453	133	74.89	53	22.883	122	17.49	35	6.187	140	34.32	89
11	40.904	162	18.79	168	59.320	111	74.36	81	22.761	99	17.14	23	6.047	115	33.43	92
21	40.742	114	17.11	183	59.209	81	73.55	109	22.662	69	16.91	10	5.932	81	32.51	90
31	40.628	55	15.28	188	59.128	45	72.46	136	22.593	32	16.81	6	5.851	39	31.61	86
Apr. 10	40.573	9	13.40	186	59.083	4	71.10	160	22.561	11	16.87	25	5.812	9	30.75	74
20	40.582	76	11.54	175	59.079	41	69.50	183	22.572	56	17.12	45	5.821	59	30.01	57
30	40.658	145	9.79	158	59.120	86	67.67	203	22.628	102	17.57	67	5.880	110	29.44	38
Mai 10	40.803	210	8.21	133	59.206	132	65.64	218	22.730	148	18.24	88	5.990	160	29.06	14
20	41.013	271	6.88	105	59.338	174	63.46	230	22.878	190	19.12	108	6.150	208	28.92	9
30	41.284	324	5.83	72	59.512	214	61.16	236	23.068	229	20.20	126	6.358	249	29.01	35
Juni 9	41.608	370	5.11	37	59.726	247	58.80	237	23.297	261	21.46	142	6.607	285	29.36	60
19	41.978	405	4.74	1	59.973	275	56.43	231	23.558	287	22.88	154	6.892	313	29.96	83
29	42.383	430	4.73	35	60.248	294	54.12	220	23.845	305	24.42	161	7.205	333	30.79	105
Juli 9	42.813	446	5.08	71	60.542	308	51.92	203	24.150	316	26.03	166	7.538	346	31.84	122
19	43.259	451	5.79	103	60.850	313	49.89	179	24.466	320	27.69	163	7.884	350	33.06	138
29	43.710	446	6.82	133	61.163	311	48.10	151	24.786	317	29.32	158	8.234	347	34.44	148
Aug. 8	44.156	434	8.15	161	61.474	302	46.59	118	25.103	308	30.90	148	8.581	337	35.92	155
18	44.590	414	9.76	183	61.776	288	45.41	82	25.411	292	32.38	134	8.918	322	37.47	157
28	45.004	388	11.59	202	62.064	268	44.59	45	25.703	273	33.72	116	9.240	303	39.04	157
Sept. 7	45.392	357	13.61	217	62.332	245	44.14	5	25.976	250	34.88	97	9.543	278	40.61	153
17	45.749	322	15.78	227	62.577	218	44.09	32	26.226	224	35.85	76	9.821	252	42.14	146
27	46.071	283	18.05	234	62.795	188	44.41	66	26.450	198	36.61	55	10.073	223	43.60	137
Okt. 7	46.354	242	20.39	236	62.983	157	45.07	98	26.648	169	37.16	34	10.296	193	44.97	126
17	46.596	198	22.75	235	63.140	126	46.05	124	26.817	139	37.50	15	10.489	162	46.23	115
27	46.794	153	25.10	227	63.266	94	47.29	143	26.956	110	37.65	2	10.651	129	47.38	102
Nov. 5	[1] 46.947	106	27.37	217	[1] 63.360	62	48.72	156	[1] 27.066	80	37.63	17	[2] 10.780	96	48.40	88
15	47.053	57	29.54	201	63.422	30	50.28	162	27.146	50	37.46	28	10.876	62	49.28	75
25	47.110	8	31.55	181	63.452	2	51.90	161	27.196	19	37.18	38	10.938	27	50.03	59
Dez. 5	47.118	41	33.36	156	63.450	31	53.51	154	27.215	12	36.80	45	10.965	8	50.62	44
15	47.077	90	34.92	126	63.419	60	55.05	140	27.203	41	36.35	51	10.957	43	51.06	27
25	46.987	135	36.18	92	63.359	88	56.45	123	27.162	70	35.84	54	10.914	76	51.33	10
35	46.852		37.10		63.271		57.68		27.092		35.30		10.838		51.43	
Mittl. Ort	40.814		1.86		58.825		74.29		22.250		11.29		5.594		22.60	
sec δ, tg δ	1.523		+1.148		1.031		−0.252		1.015		+0.173		1.122		+0.509	
a, a′	+4.1		+15.4		+2.9		+15.3		+3.2		+15.3		+3.5		+15.0	
b, b′	+0.06		− 0.64		−0.01		− 0.65		+0.01		− 0.65		+0.03		− 0.66	

Tag	101) β Fornacis AR.		Dekl.		102) τ² Eridani AR.		Dekl.	
1934	2h 46m		−32° 40′		2h 48m		−21° 15′	
Jan. 0	21.287	142	59.15	135	4.166	111	91.30	123
10	21.145	166	60.50	95	4.055	133	92.53	94
20	20.979	182	61.45	53	3.922	151	93.47	61
30	20.797	193	61.98	11	3.771	162	94.08	27
Feb. 9	20.604	195	62.09	33	3.609	166	94.35	7
19	20.409	188	61.76	76	3.443	161	94.28	41
März 1	20.221	174	61.00	116	3.282	148	93.87	75
11	20.047	149	59.84	154	3.134	126	93.12	108
21	19.898	116	58.30	189	3.008	97	92.04	139
31	19.782	78	56.41	220	2.911	60	90.65	168
Apr. 10	19.704	32	54.21	248	2.851	18	88.97	194
20	19.672	16	51.73	271	2.833	27	87.03	218
30	19.688	66	49.02	287	2.860	74	84.85	236
Mai 10	19.754	117	46.15	298	2.934	120	82.49	251
20	19.871	166	43.17	303	3.054	165	79.98	260
30	20.037	210	40.14	300	3.219	207	77.38	263
Juni 9	20.247	249	37.14	291	3.426	242	74.75	259
19	20.496	283	34.23	273	3.668	272	72.16	251
29	20.779	309	31.50	248	3.940	294	69.65	233
Juli 9	21.088	326	29.02	218	4.234	310	67.32	211
19	21.414	336	26.84	180	4.544	317	65.21	182
29	21.750	337	25.04	137	4.861	317	63.39	148
Aug. 8	22.087	330	23.67	91	5.178	310	61.91	110
18	22.417	316	22.76	41	5.488	296	60.81	67
28	22.733	295	22.35	10	5.784	278	60.14	25
Sept. 7	23.028	269	22.45	59	6.062	254	59.89	20
17	23.297	238	23.04	107	6.316	226	60.09	61
27	23.535	204	24.11	149	6.542	196	60.70	100
Okt. 7	23.739	167	25.60	185	6.738	164	61.70	134
17	23.906	129	27.45	215	6.902	131	63.04	161
27	24.035	89	29.60	234	7.033	97	64.65	183
Nov. 6	3 24.124	49	31.94	245	3 7.130	63	66.48	194
16	24.173	11	34.39	245	7.193	29	68.42	199
26	24.184	27	36.84	236	7.222	5	70.41	195
Dez. 6	24.157	64	39.20	218	7.217	37	72.36	184
16	24.093	98	41.38	192	7.180	68	74.20	167
26	23.995	127	43.30	159	7.112	97	75.87	142
36	23.868		44.89		7.015		77.29	
Mittl. Ort	19.658		56.37		2.649		91.49	
sec δ, tg δ	1.188		−0.642		1.073		−0.389	
a, *a*′	+2.5		+15.0		+2.7		+14.9	
b, *b*′	−0.03		−0.66		−0.02		−0.67	

Tag	103) τ Persei AR.		Dekl.		104) η Eridani AR.		Dekl.	
1934	2h 49m		+52° 29′		2h 53m		−9° 9′	
Jan. 0	35.621	169	57.91	92	13.568	89	31.98	104
10	35.452	211	58.83	52	13.479	112	33.02	86
20	35.241	240	59.35	10	13.367	132	33.88	65
30	35.001	260	59.45	33	13.235	144	34.53	42
Feb. 9	34.741	264	59.12	74	13.091	149	34.95	19
19	34.477	254	58.38	112	12.942	147	35.14	5
März 1	34.223	229	57.26	144	12.795	135	35.09	30
11	33.994	191	55.82	170	12.660	114	34.79	56
21	33.803	139	54.12	189	12.546	87	34.23	80
31	33.664	79	52.23	198	12.459	52	33.43	105
Apr. 10	33.585	10	50.25	199	12.407	11	32.38	130
20	33.575	63	48.26	193	12.396	32	31.08	152
30	33.638	135	46.33	177	12.428	78	29.56	173
Mai 10	33.773	207	44.56	156	12.506	122	27.83	190
20	33.980	273	43.00	129	12.628	166	25.93	203
30	34.253	331	41.71	96	12.794	206	23.90	213
Juni 9	34.584	382	40.75	62	13.000	239	21.77	218
19	34.966	422	40.13	25	13.239	267	19.59	216
29	35.388	452	39.88	13	13.506	289	17.43	209
Juli 9	35.840	470	40.01	49	13.795	303	15.34	196
19	36.310	479	40.50	85	14.098	309	13.38	178
29	36.789	477	41.35	116	14.407	309	11.60	155
Aug. 8	37.266	466	42.51	146	14.716	302	10.05	126
18	37.732	448	43.97	173	15.018	290	8.79	94
28	38.180	423	45.70	196	15.308	272	7.85	61
Sept. 7	38.603	391	47.66	214	15.580	250	7.24	25
17	38.994	355	49.80	228	15.830	226	6.99	10
27	39.349	315	52.08	239	16.056	198	7.09	43
Okt. 7	39.664	272	54.47	244	16.254	170	7.52	73
17	39.936	226	56.91	245	16.424	140	8.25	99
27	40.162	177	59.36	242	16.564	109	9.24	119
Nov. 6	3 40.339	126	61.78	234	4 16.673	78	10.43	133
16	40.465	72	64.12	220	16.751	47	11.76	141
26	40.537	17	66.32	202	16.798	15	13.17	143
Dez. 6	40.554	38	68.34	178	16.813	16	14.60	138
16	40.516	92	70.12	147	16.797	46	15.98	130
26	40.424	143	71.59	113	16.751	75	17.28	117
36	40.281		72.72		16.676		18.45	
Mittl. Ort	33.895		37.53		12.103		35.67	
sec δ, tg δ	1.642		+1.303		1.013		−0.161	
a, *a*′	+4.2		+14.8		+2.9		+14.6	
b, *b*′	+0.06		−0.67		−0.01		−0.69	

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Tag	106) ϑ Eridani AR.		106) ϑ Eridani Dekl.		105) 47 H. Cephei AR.		105) 47 H. Cephei Dekl.		107) α Ceti AR.		107) α Ceti Dekl.		108) γ Persei AR.		108) γ Persei Dekl.	
1934	2h 55m		−40° 33′		2h 57m		+79° 9′		2h 58m		+3° 49′		2h 59m		+53° 14′	
Jan. 0	47.179	172	70.10	150	18.02	75	62.19	188	51.050	78	62.09	71	62.019	164	78.11	104
10	47.007	198	71.60	105	17.27	88	64.07	133	50.972	102	61.38	66	61.855	208	79.15	24
20	46.809	217	72.65	57	16.39	97	65.40	75	50.870	123	60.72	58	61.647	242	79.79	61
30	46.592	229	73.22	9	15.42	103	66.15	13	50.747	138	60.14	49	61.405	265	80.00	21
Feb. 9	46.363	232	73.31	40	14.39	102	66.28	46	50.609	144	59.65	39	61.140	272	79.79	62
19	46.131	226	72.91	87	13.37	99	65.82	105	50.465	142	59.26	28	60.868	265	79.17	102
März 1	45.905	210	72.04	132	12.38	90	64.77	158	50.323	132	58.98	14	60.603	243	78.15	136
11	45.695	185	70.72	174	11.48	76	63.19	204	50.191	113	58.84	1	60.360	206	76.79	164
21	45.510	150	68.98	211	10.72	61	61.15	240	50.078	84	58.85	18	60.154	155	75.15	184
31	45.360	109	66.87	246	10.11	41	58.75	267	49.994	49	59.03	37	59.999	95	73.31	197
Apr. 10	45.251	62	64.41	273	9.70	20	56.08	283	49.945	9	59.40	57	59.904	27	71.34	200
20	45.189	9	61.68	297	9.50	2	53.25	288	49.936	35	59.97	77	59.877	47	69.34	196
30	45.180	46	58.71	313	9.52	24	50.37	282	49.971	81	60.74	98	59.924	121	67.38	183
Mai 10	45.226	100	55.58	323	9.76	45	47.55	266	50.052	127	61.72	118	60.045	194	65.55	164
20	45.326	154	52.35	326	10.21	66	44.89	242	50.179	169	62.90	135	60.239	263	63.91	139
30	45.480	204	49.09	321	10.87	84	42.47	210	50.348	209	64.25	150	60.502	323	62.52	108
Juni 9	45.684	249	45.88	308	11.71	100	40.37	171	50.557	242	65.75	162	60.825	377	61.44	75
19	45.933	287	42.80	287	12.71	113	38.66	130	50.799	271	67.37	170	61.202	419	60.69	39
29	46.220	318	39.93	260	13.84	123	37.36	83	51.070	291	69.07	174	61.621	452	60.30	2
Juli 9	46.538	340	37.33	224	15.07	130	36.53	35	51.361	306	70.81	172	62.073	474	60.28	34
19	46.878	354	35.09	182	16.37	135	36.18	14	51.667	311	72.53	164	62.547	485	60.62	69
29	47.232	358	33.27	135	17.72	136	36.32	62	51.978	312	74.17	154	63.032	486	61.31	103
Aug. 8	47.590	355	31.92	84	19.08	135	36.94	109	52.290	305	75.71	138	63.518	478	62.34	133
18	47.945	342	31.08	30	20.43	131	38.03	153	52.595	293	77.09	118	63.996	461	63.67	160
28	48.287	321	30.78	25	21.74	125	39.56	195	52.888	277	78.27	95	64.457	438	65.27	184
Sept. 7	48.608	295	31.03	79	22.99	117	41.51	231	53.165	256	79.22	71	64.895	409	67.11	204
17	48.903	262	31.82	131	24.16	106	43.82	265	53.421	232	79.93	45	65.304	374	69.15	220
27	49.165	225	33.13	176	25.22	94	46.47	293	53.653	207	80.38	20	65.678	335	71.35	231
Okt. 7	49.390	184	34.89	215	26.16	80	49.40	316	53.860	180	80.58	4	66.013	293	73.66	240
17	49.574	140	37.04	246	26.96	63	52.56	331	54.040	152	80.54	25	66.306	247	76.06	242
27	49.714	96	39.50	267	27.59	47	55.87	340	54.192	123	80.29	44	66.553	197	78.48	242
Nov. 5*)	49.810	50	42.17	276	28.06	28	59.27	341	54.315	93	79.85	58	66.750	145	80.90	235
15	49.860	5	44.93	277	28.34	9	62.68	334	54.408	63	79.27	68	66.895	90	83.25	224
25	49.865	38	47.70	265	28.43	11	66.02	318	54.471	31	78.59	76	66.985	33	85.49	207
Dez. 5	49.827	81	50.35	244	28.32	30	69.20	292	54.502	1	77.83	79	67.018	24	87.56	185
15	49.746	119	52.79	214	28.02	49	72.12	258	54.501	32	77.04	78	66.994	81	89.41	157
25	49.627	154	54.93	178	27.53	66	74.70	215	54.469	62	76.26	76	66.913	136	90.98	123
35	49.473		56.71		26.87		76.85		54.407		75.50		66.777		92.21	
Mittl. Ort	45.381		65.93		13.77		38.34		49.592		54.59		60.159		57.93	
sec δ, tg δ	1.316		−0.856		5.318		+5.223		1.002		+0.067		1.671		+1.339	
a, a′	+2.3		+14.4		+7.9		+14.3		+3.1		+14.2		+4.3		+14.2	
b, b′	−0.04		−0.69		+0.25		−0.70		0.00		−0.70		+0.06		−0.71	

*) Bei Stern 107) und 108) lies Nov. 6

Tag	109) ρ Persei AR.		109) ρ Persei Dekl.		110) μ Horologii AR.		110) μ Horologii Dekl.		111) β Persei AR.		111) β Persei Dekl.		114) δ Arietis AR.		114) δ Arietis Dekl.	
1934	$3^h\ 0^m$		+38° 35′		$3^h\ 2^m$		−59° 58′		$3^h\ 3^m$		+40° 42′		$3^h\ 7^m$		+19° 28′	
	s		″		s		″		s		″		s		″	
Jan. 0	57.970	105	26.07	49	5.693	330	103.14	156	53.635	108	27.20	59	52.558	73	53.88	19
10	57.865	139	26.56	22	5.363	369	104.70	101	53.527	145	27.79	30	52.485	103	53.69	28
20	57.726	166	26.78	8	4.994	395	105.71	45	53.382	173	28.09	1	52.382	127	53.41	37
30	57.560	186	26.70	36	4.599	407	106.16	13	53.209	193	28.08	31	52.255	144	53.04	45
Feb. 9	57.374	193	26.34	63	4.192	409	106.03	70	53.016	202	27.77	61	52.111	154	52.59	52
19	57.181	190	25.71	89	3.783	394	105.33	124	52.814	199	27.16	88	51.957	153	52.07	57
März 1	56.991	174	24.82	109	3.389	370	104.09	174	52.615	183	26.28	111	51.804	142	51.50	59
11	56.817	148	23.73	124	3.019	333	102.35	220	52.432	156	25.17	129	51.662	122	50.91	58
21	56.669	110	22.49	134	2.686	283	100.15	260	52.276	118	23.88	140	51.540	93	50.33	52
31	56.559	63	21.15	137	2.403	225	97.55	295	52.158	70	22.48	145	51.447	56	49.81	44
Apr. 10	56.496	11	19.78	134	2.178	157	94.60	324	52.088	16	21.03	143	51.391	13	49.37	32
20	56.485	46	18.44	123	2.021	83	91.36	344	52.072	42	19.60	135	51.378	34	49.05	16
30	56.531	104	17.21	108	1.938	7	87.92	357	52.114	102	18.25	119	51.412	83	48.89	3
Mai 10	56.635	161	16.13	87	1.931	71	84.35	363	52.216	161	17.06	100	51.495	131	48.92	23
20	56.796	216	15.26	62	2.002	148	80.72	360	52.377	217	16.06	75	51.626	177	49.15	43
30	57.012	263	14.64	35	2.150	224	77.12	349	52.594	267	15.31	48	51.803	219	49.58	64
Juni 9	57.275	305	14.29	7	2.374	292	73.63	329	52.861	310	14.83	19	52.022	255	50.22	84
19	57.580	340	14.22	22	2.666	351	70.34	300	53.171	345	14.64	10	52.277	285	51.06	102
29	57.920	364	14.44	50	3.017	403	67.34	265	53.516	372	14.74	40	52.562	307	52.08	117
Juli 9	58.284	381	14.94	77	3.420	442	64.69	221	53.888	389	15.14	68	52.869	323	53.25	128
19	58.665	389	15.71	102	3.862	469	62.48	171	54.277	398	15.82	94	53.192	331	54.53	135
29	59.054	389	16.73	122	4.331	485	60.77	117	54.675	399	16.76	116	53.523	331	55.88	140
Aug. 8	59.443	381	17.95	140	4.816	486	59.60	57	55.074	392	17.92	137	53.854	325	57.28	139
18	59.824	368	19.35	155	5.302	474	59.03	3	55.466	379	19.29	153	54.179	315	58.67	135
28	60.192	348	20.90	166	5.776	448	59.06	65	55.845	359	20.82	166	54.494	298	60.02	127
Sept. 7	60.540	325	22.56	173	6.224	412	59.71	124	56.204	335	22.48	176	54.792	279	61.29	117
17	60.865	297	24.29	177	6.636	362	60.95	179	56.539	308	24.24	181	55.071	255	62.46	105
27	61.162	268	26.06	178	6.998	306	62.74	228	56.847	278	26.05	184	55.326	231	63.51	91
Okt. 7	61.430	234	27.84	176	7.304	243	65.02	268	57.125	244	27.89	184	55.557	204	64.42	77
17	61.664	201	29.60	171	7.547	171	67.70	299	57.369	209	29.73	181	55.761	176	65.19	63
27	61.865	163	31.31	164	7.718	98	70.69	319	57.578	172	31.54	175	55.937	145	65.82	50
Nov. 6	62.028	125	32.95	155	7.816	22	73.88	325	57.750	131	33.29	166	56.082	115	66.32	36
15	[6] 62.153	86	34.50	142	[7] 7.838	53	77.13	319	[7] 57.881	89	34.95	155	[8] 56.197	82	66.68	25
25	62.239	42	35.92	127	7.785	124	80.32	303	57.970	46	36.50	139	56.279	48	66.93	15
Dez. 5	62.281	0	37.19	109	7.661	192	83.35	274	58.016	2	37.89	121	56.327	13	67.08	4
15	62.281	42	38.28	87	7.469	251	86.09	235	58.018	43	39.10	99	56.340	22	67.12	6
25	62.239	83	39.15	63	7.218	306	88.44	190	57.975	87	40.09	74	56.318	56	67.06	16
35	62.156		39.78		6.912		90.34		57.888		40.83		56.262		66.90	
Mittl. Ort	56.358		9.09		3.223		96.05		51.973		9.80		51.034		41.98	
sec δ, tg δ	1.279		+0.798		2.000		−1.732		1.319		+0.860		1.061		+0.354	
a, *a′*	+3.8		+14.1		+1.4		+14.0		+3.9		+13.9		+3.4		+13.7	
b, *b′*	+0.04		− 0.71		−0.08		− 0.71		+0.04		− 0.72		+0.02		− 0.73	

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Tag	117) 12 Eridani				115) 48 H. Cephei				120) α Persei				121) ο Tauri			
	AR.	Diff.	Dekl.	Diff.	AR.	Diff.	Dekl.	Diff.	AR.	Diff.	Dekl.	Diff.	AR.	Diff.	Dekl.	Diff.
1934	$3^h\ 9^m$		−29° 14′		$3^h\ 11^m$		+77° 29′		$3^h\ 19^m$		+49° 37′		$3^h\ 21^m$		+8° 47′	
Jan. 0	$17^s.630$	121	48″.19	150	$56^s.58$	60	65″.52	197	$37^s.951$	125	58″.84	104	$17^s.087$	64	60″.78	57
10	17.509	148	49.69	113	55.98	72	67.49	145	37.826	172	59.88	70	17.023	94	60.21	55
20	17.361	170	50.82	75	55.26	81	68.94	90	37.654	208	60.58	33	16.929	119	59.66	52
30	17.191	184	51.57	34	54.45	87	69.84	30	37.446	235	60.91	6	16.810	137	59.14	49
Feb. 9	17.007	192	51.91	8	53.58	89	70.14	29	37.211	249	60.85	44	16.673	148	58.65	43
19	16.815	190	51.83	48	52.69	86	69.85	87	36.962	248	60.41	80	16.525	151	58.22	36
März 1	16.625	178	51.35	88	51.83	79	68.98	141	36.714	233	59.61	113	16.374	143	57.86	28
11	16.447	159	50.47	126	51.04	70	67.57	188	36.481	204	58.48	140	16.231	127	57.58	18
21	16.288	130	49.21	162	50.34	57	65.69	227	36.277	162	57.08	161	16.104	100	57.40	5
31	16.158	94	47.59	195	49.77	40	63.42	255	36.115	108	55.47	174	16.004	67	57.35	9
Apr. 10	16.064	51	45.64	223	49.37	22	60.87	275	36.007	47	53.73	180	15.937	27	57.44	26
20	16.013	5	43.41	248	49.15	3	58.12	282	35.960	20	51.93	178	15.910	16	57.70	44
30	16.008	44	40.93	268	49.12	16	55.30	279	35.980	89	50.15	169	15.926	63	58.14	63
Mai 10	16.052	93	38.25	283	49.28	35	52.51	267	36.069	158	48.46	153	15.989	109	58.77	83
20	16.145	142	35.42	291	49.63	53	49.84	247	36.227	223	46.93	131	16.098	153	59.60	100
30	16.287	186	32.51	292	50.16	69	47.37	217	36.450	282	45.62	104	16.251	195	60.60	117
Juni 9	16.473	227	29.59	287	50.85	84	45.20	182	36.732	334	44.58	75	16.446	231	61.77	131
19	16.700	262	26.72	274	51.69	96	43.38	142	37.066	378	43.83	44	16.677	261	63.08	142
29	16.962	289	23.98	254	52.65	106	41.96	98	37.444	412	43.39	10	16.938	285	64.50	148
Juli 9	17.251	310	21.44	227	53.71	113	40.98	52	37.856	436	43.29	22	17.223	301	65.98	151
19	17.561	323	19.17	194	54.84	118	40.46	4	38.292	450	43.51	54	17.524	312	67.49	150
29	17.884	327	17.23	155	56.02	120	40.42	42	38.742	456	44.05	84	17.836	314	68.99	143
Aug. 8	18.211	325	15.68	110	57.22	120	40.84	88	39.198	452	44.89	111	18.150	311	70.42	133
18	18.536	315	14.58	64	58.42	118	41.72	132	39.650	441	46.00	136	18.461	303	71.75	118
28	18.851	299	13.94	14	59.60	113	43.04	174	40.091	423	47.36	158	18.764	289	72.93	100
Sept. 7	19.150	277	13.80	36	60.73	107	44.78	212	40.514	400	48.94	176	19.053	272	73.93	80
17	19.427	251	14.16	83	61.80	98	46.90	245	40.914	370	50.70	190	19.325	251	74.73	58
27	19.678	222	14.99	127	62.78	88	49.35	275	41.284	338	52.60	202	19.576	228	75.31	37
Okt. 7	19.900	188	16.26	166	63.66	76	52.10	299	41.622	302	54.62	209	19.804	204	75.68	16
17	20.088	154	17.92	198	64.42	63	55.09	316	41.924	261	56.71	214	20.008	177	75.84	3
27	20.242	117	19.90	221	65.05	49	58.25	328	42.185	217	58.85	214	20.185	149	75.81	20
Nov. 6	20.359	79	22.11	235	65.54	33	61.53	332	42.402	170	60.99	210	20.334	119	75.61	34
15	[8]20.438	40	24.46	241	[9]65.87	16	64.85	327	[11]42.572	120	63.09	203	[11]20.453	88	75.27	44
25	20.478	3	26.87	235	66.03	1	68.12	315	42.692	67	65.12	189	20.541	55	74.83	52
Dez. 5	20.481	34	29.22	222	66.02	19	71.27	293	42.759	11	67.01	172	20.596	21	74.31	57
15	20.447	70	31.44	201	65.83	35	74.20	262	42.770	43	68.73	149	20.617	13	73.74	60
25	20.377	105	33.45	172	65.48	51	76.82	223	42.727	96	70.22	121	20.604	46	73.14	60
35	20.272		35.17		64.97		79.05		42.631		71.43		20.558		72.54	
Mittl. Ort	15.945		47.00		52.32		42.47		35.983		40.09		15.519		51.90	
sec δ, tg δ	1.146		−0.560		4.618		+4.509		1.544		+1.176		1.012		+0.155	
a, *a′*	+2.5		+13.6		+7.5		+13.4		+4.3		+12.9		+3.2		+12.8	
b, *b′*	−0.03		−0.74		+0.20		−0.74		+0.05		−0.76		+0.01		−0.77	

Tag	122) 2 H. Camelop. AR.		Dekl.		125) *f* Tauri AR.		Dekl.		127) ε Eridani[1] AR.		Dekl.		131) δ Persei AR.		Dekl.	
1934	$3^h\,23^m$		$+59°\,42'$		$3^h\,27^m$		$+12°\,42'$		$3^h\,29^m$		$-9°\,40'$		$3^h\,38^m$		$+47°\,34'$	
Jan. 0	44.815	182	64.34	146	15.155	60	51.75	42	50.805	76	46.64	120	15.068	98	58.87	107
10	44.633	241	65.80	106	15.095	92	51.33	44	50.729	105	47.84	100	14.970	147	59.94	77
20	44.392	288	66.86	61	15.003	118	50.89	45	50.624	129	48.84	77	14.823	187	60.71	44
30	44.104	322	67.47	15	14.885	138	50.44	44	50.495	149	49.61	54	14.636	218	61.15	9
Feb. 9	43.782	339	67.62	32	14.747	150	50.00	44	50.346	159	50.15	29	14.418	236	61.24	27
19	43.443	337	67.30	78	14.597	153	49.56	41	50.187	161	50.44	4	14.182	242	60.97	62
März 1	43.106	318	66.52	119	14.444	147	49.15	37	50.026	155	50.48	22	13.940	232	60.35	94
11	42.788	280	65.33	156	14.297	131	48.78	31	49.871	139	50.26	49	13.708	208	59.41	120
21	42.508	226	63.77	185	14.166	105	48.47	21	49.732	115	49.77	74	13.500	171	58.21	143
31	42.282	159	61.92	205	14.061	72	48.26	10	49.617	83	49.03	99	13.329	123	56.78	157
Apr. 10	42.123	81	59.87	218	13.989	31	48.16	5	49.534	45	48.04	123	13.206	67	55.21	165
20	42.042	2	57.69	221	13.958	13	48.21	21	49.489	2	46.81	147	13.139	3	53.56	166
30	42.044	90	55.48	216	13.971	60	48.42	39	49.487	43	45.34	167	13.136	63	51.90	160
Mai 10	42.134	176	53.32	203	14.031	106	48.81	57	49.530	89	43.67	185	13.199	129	50.30	147
20	42.310	258	51.29	182	14.137	152	49.38	76	49.619	133	41.82	200	13.328	193	48.83	128
30	42.568	333	49.47	156	14.289	194	50.14	94	49.752	175	39.82	209	13.521	252	47.55	106
Juni 9	42.901	400	47.91	125	14.483	231	51.08	108	49.927	212	37.73	215	13.773	304	46.49	80
19	43.301	457	46.66	90	14.714	262	52.16	122	50.139	243	35.58	214	14.077	350	45.69	51
29	43.758	500	45.76	53	14.976	286	53.38	132	50.382	269	33.44	208	14.427	385	45.18	22
Juli 9	44.258	534	45.23	16	15.262	304	54.70	137	50.651	287	31.36	197	14.812	412	44.96	8
19	44.792	554	45.07	22	15.566	315	56.07	139	50.938	299	29.39	178	15.224	430	45.04	37
29	45.346	564	45.29	59	15.881	318	57.46	137	51.237	304	27.61	155	15.654	439	45.41	65
Aug. 8	45.910	562	45.88	95	16.199	316	58.83	129	51.541	303	26.06	127	16.093	439	46.06	91
18	46.472	551	46.83	127	16.515	309	60.12	119	51.844	295	24.79	96	16.532	432	46.97	113
28	47.023	531	48.10	158	16.824	296	61.31	105	52.139	283	23.83	60	16.964	419	48.10	135
Sept. 7	47.554	504	49.68	184	17.120	279	62.36	88	52.422	266	23.23	23	17.383	400	49.45	151
17	48.058	468	51.52	207	17.399	259	63.24	71	52.688	246	23.00	12	17.783	375	50.96	166
27	48.526	427	53.59	227	17.658	237	63.95	52	52.934	222	23.12	48	18.158	347	52.62	177
Okt. 7	48.953	381	55.86	242	17.895	213	64.47	34	53.156	197	23.60	80	18.505	315	54.39	185
17	49.334	329	58.28	252	18.108	187	64.81	17	53.353	169	24.40	108	18.820	278	56.24	191
27	49.663	271	60.80	258	18.295	158	64.98	2	53.522	139	25.48	130	19.098	238	58.15	193
Nov. 6	49.934	209	63.38	259	18.453	129	65.00	12	53.661	109	26.78	147	19.336	194	60.08	192
15*)	[12]50.143	142	65.97	253	[13]18.582	97	64.88	21	[14]53.770	76	28.25	156	19.530	146	62.00	187
25	50.285	71	68.50	242	18.679	63	64.67	30	53.846	43	29.81	158	[16]19.676	94	63.87	177
Dez. 5	50.356	1	70.92	223	18.742	29	64.37	36	53.889	9	31.39	156	19.770	41	65.64	164
15	50.355	73	73.15	198	18.771	6	64.01	41	53.898	25	32.95	146	19.811	14	67.28	146
25	50.282	143	75.13	167	18.765	42	63.60	43	53.873	59	34.41	133	19.797	69	68.74	121
35	50.139		76.80		18.723		63.17		53.814		35.74		19.728		69.95	
Mittl. Ort	42.437		44.01		13.549		41.88		49.195		50.57		12.983		41.30	
sec δ, tg δ	1.983		+1.712		1.025		+0.226		1.014		−0.171		1.482		+1.094	
a, *a'*	+4.8		+12.6		+3.3		+12.4		+2.9		+12.2		+4.3		+11.6	
b, *b'*	+0.07		− 0.78		+0.01		− 0.79		−0.01		− 0.79		+0.04		− 0.81	

*) Bei Stern 131) lies Nov. 16

[1]) Die jährliche Parallaxe (0.″32) ist bereits berücksichtigt

Scheinbare Sternörter 1934

Tag	134) ν Persei AR.		134) ν Persei Dekl.		138) 5 H. Camelop. AR.		138) 5 H. Camelop. Dekl.		141) β Reticuli AR.		141) β Reticuli Dekl.		139) η Tauri AR.		139) η Tauri Dekl.	
1934	$3^h 40^m$		+42° 22′		$3^h 43^m$		+71° 7′		$3^h 43^m$		−65° 0′		$3^h 43^m$		+23° 54′	
	s		″		s		″		s		″		s		″	
Jan. 0	44.135	81	34.19	86	25.16	30	73.67	204	24.95	38	57.68	206	35.175	53	20.99	5
10	44.054	125	35.05	61	24.86	39	75.71	161	24.57	43	59.74	154	35.122	89	21.04	4
20	43.929	164	35.66	32	24.47	48	77.32	112	24.14	48	61.28	99	35.033	121	21.00	16
30	43.765	192	35.98	1	23.99	53	78.44	59	23.66	50	62.27	41	34.912	145	20.84	27
Feb. 9	43.573	211	35.99	29	23.46	57	79.03	4	23.16	53	62.68	17	34.767	162	20.57	38
19	43.362	217	35.70	58	22.89	57	79.07	51	22.63	52	62.51	73	34.605	168	20.19	48
März 1	43.145	209	35.12	85	22.32	55	78.56	102	22.11	50	61.78	127	34.437	163	19.71	55
11	42.936	188	34.27	108	21.77	49	77.54	149	21.61	47	60.51	177	34.274	148	19.16	60
21	42.748	155	33.19	125	21.28	42	76.05	190	21.14	42	58.74	223	34.126	123	18.56	62
31	42.593	112	31.94	136	20.86	33	74.15	221	20.72	37	56.51	263	34.003	89	17.94	60
Apr. 10	42.481	60	30.58	142	20.53	21	71.94	244	20.35	29	53.88	297	33.914	47	17.34	53
20	42.421	2	29.16	141	20.32	8	69.50	257	20.06	21	50.91	324	33.867	0	16.81	43
30	42.419	58	27.75	133	20.24	4	66.93	260	19.85	12	47.67	345	33.867	50	16.38	30
Mai 10	42.477	119	26.42	119	20.28	18	64.33	254	19.73	3	44.22	357	33.917	99	16.08	14
20	42.596	179	25.23	102	20.46	30	61.79	240	19.70	6	40.65	361	34.016	148	15.94	4
30	42.775	232	24.21	80	20.76	43	59.39	218	19.76	15	37.04	357	34.164	194	15.98	23
Juni 9	43.007	282	23.41	55	21.19	53	57.21	189	19.91	23	33.47	344	34.358	234	16.21	42
19	43.289	323	22.86	28	21.72	62	55.32	155	20.14	32	30.03	322	34.592	268	16.63	59
29	43.612	357	22.58	1	22.34	70	53.77	118	20.46	39	26.81	291	34.860	296	17.22	76
Juli 9	43.969	381	22.57	23	23.04	76	52.59	77	20.85	45	23.90	253	35.156	317	17.98	90
19	44.350	397	22.80	50	23.80	80	51.82	35	21.30	49	21.37	207	35.473	330	18.88	100
29	44.747	406	23.30	73	24.60	83	51.47	7	21.79	53	19.30	154	35.803	337	19.88	108
Aug. 8	45.153	406	24.03	95	25.43	84	51.54	49	22.32	55	17.76	97	36.140	337	20.96	112
18	45.559	400	24.98	113	26.27	84	52.03	90	22.87	55	16.79	35	36.477	332	22.08	113
28	45.959	388	26.11	128	27.11	82	52.93	129	23.42	55	16.44	27	36.809	321	23.21	111
Sept. 7	46.347	370	27.39	141	27.93	78	54.22	164	23.97	51	16.71	90	37.130	306	24.32	105
17	46.717	348	28.80	151	28.71	74	55.86	198	24.48	48	17.61	151	37.436	288	25.37	98
27	47.065	322	30.31	158	29.45	68	57.84	228	24.96	42	19.12	205	37.724	267	26.35	89
Okt. 7	47.387	294	31.89	164	30.13	62	60.12	252	25.38	35	21.17	254	37.991	243	27.24	81
17	47.681	260	33.53	165	30.75	54	62.64	273	25.73	27	23.71	292	38.234	217	28.05	70
27	47.941	224	35.18	165	31.29	44	65.37	288	26.00	19	26.63	321	38.451	189	28.75	61
Nov. 6	48.165	185	36.83	162	31.73	35	68.25	296	26.19	10	29.84	337	38.640	158	29.36	52
16	48.350	141	38.45	157	32.08	24	71.21	298	26.29	0	33.21	340	38.798	124	29.88	44
25	[16] 48.491	95	40.02	147	[17] 32.32	12	74.19	293	[17] 26.29	8	36.61	331	[17] 38.922	87	30.32	34
Dez. 5	48.586	47	41.49	135	32.44	0	77.12	278	26.21	18	39.92	311	39.009	49	30.66	27
15	48.633	4	42.84	119	32.44	11	79.90	256	26.03	26	43.03	279	39.058	9	30.93	19
25	48.629	54	44.03	99	32.33	23	82.46	224	25.77	33	45.82	237	39.067	31	31.12	9
35	48.575		45.02		32.10		84.70		25.44		48.19		39.036		31.21	
Mittl. Ort	42.152		17.73		21.44		52.95		21.91		52.39		33.423		8.64	
sec δ, tg δ	1.354		+0.912		3.092		+2.926		2.367		−2.146		1.094		+0.443	
a, a′	+4.1		+11.4		+6.3		+11.3		+0.7		+11.3		+3.6		+11.2	
b, b′	+0.03		− 0.82		+0.11		− 0.82		−0.08		− 0.83		+0.02		− 0.83	

Tag	140) τ^6 Eridani AR.	Δ	Dekl.	Δ	143) *g* Eridani AR.	Δ	Dekl.	Δ	146) γ Hydri AR.	Δ	Dekl.	Δ	144) ζ Persei AR.	Δ	Dekl.	Δ
1934	$3^h 44^m$		$-23° 26'$		$3^h 46^m$		$-36° 23'$		$3^h 48^m$		$-74° 25'$		$3^h 49^m$		$+31° 41'$	
Jan. 0	$2^s.179$	87	$35''.71$	168	$60^s.958$	124	$58''.71$	196	$18^s.86$	66	$95''.95$	204	$60^s.568$	54	$34''.70$	43
10	2.092	121	37.39	138	60.834	159	60.67	157	18.20	75	97.99	150	60.514	95	35.13	26
20	1.971	148	38.77	104	60.675	190	62.24	114	17.45	81	99.49	94	60.419	130	35.39	8
30	1.823	169	39.81	69	60.485	212	63.38	69	16.64	86	100.43	36	60.289	157	35.47	11
Feb. 9	1.654	183	40.50	31	60.273	226	64.07	22	15.78	88	100.79	22	60.132	176	35.36	30
19	1.471	188	40.81	6	60.047	231	64.29	25	14.90	87	100.57	79	59.956	184	35.06	48
März 1	1.283	183	40.75	44	59.816	225	64.04	70	14.03	85	99.78	132	59.772	180	34.58	64
11	1.100	169	40.31	80	59.591	210	63.34	114	13.18	80	98.46	182	59.592	164	33.94	77
21	0.931	146	39.51	114	59.381	184	62.20	155	12.38	72	96.64	227	59.428	137	33.17	86
31	0.785	116	38.37	147	59.197	151	60.65	192	11.66	63	94.37	266	59.291	102	32.31	91
Apr. 10	0.669	78	36.90	177	59.046	109	58.73	226	11.03	53	91.71	300	59.189	57	31.40	90
20	0.591	33	35.13	204	58.937	62	56.47	255	10.50	40	88.71	326	59.132	7	30.50	85
30	0.558	13	33.09	227	58.875	12	53.92	279	10.10	28	85.45	345	59.125	45	29.65	75
Mai 10	0.571	60	30.82	245	58.863	41	51.13	296	9.82	13	82.00	357	59.170	99	28.90	61
20	0.631	108	28.37	258	58.904	94	48.17	307	9.69	0	78.43	360	59.269	151	28.29	44
30	0.739	152	25.79	265	58.998	144	45.10	311	9.69	14	74.83	354	59.420	200	27.85	25
Juni 9	0.891	193	23.14	266	59.142	190	41.99	308	9.83	28	71.29	341	59.620	243	27.60	4
19	1.084	230	20.48	260	59.332	233	38.91	295	10.11	41	67.88	318	59.863	281	27.56	17
29	1.314	260	17.88	247	59.565	268	35.96	276	10.52	52	64.70	287	60.144	311	27.73	37
Juli 9	1.574	283	15.41	227	59.833	297	33.20	249	11.04	62	61.83	247	60.455	334	28.10	56
19	1.857	300	13.14	200	60.130	319	30.71	214	11.66	71	59.36	201	60.789	350	28.66	73
29	2.157	310	11.14	167	60.449	332	28.57	173	12.37	77	57.35	148	61.139	358	29.39	86
Aug. 8	2.467	312	9.47	128	60.781	338	26.84	126	13.14	80	55.87	91	61.497	359	30.25	98
18	2.779	309	8.19	85	61.119	336	25.58	75	13.94	82	54.96	29	61.856	355	31.23	107
28	3.088	300	7.34	40	61.455	327	24.83	20	14.76	81	54.67	34	62.211	345	32.30	112
Sept. 7	3.388	285	6.94	7	61.782	311	24.63	34	15.57	78	55.01	97	62.556	330	33.42	115
17	3.673	265	7.01	55	62.093	290	24.97	88	16.35	71	55.98	156	62.886	313	34.57	115
27	3.938	242	7.56	98	62.383	263	25.85	139	17.06	62	57.54	211	63.199	291	35.72	113
Okt. 7	4.180	216	8.54	139	62.646	231	27.24	184	17.68	53	59.65	259	63.490	267	36.85	111
17	4.396	186	9.93	173	62.877	196	29.08	223	18.21	39	62.24	297	63.757	239	37.96	107
27	4.582	153	11.66	201	63.073	158	31.31	253	18.60	25	65.21	324	63.996	210	39.03	102
Nov. 6	4.735	120	13.67	220	63.231	116	33.84	273	18.85	11	68.45	339	64.206	176	40.05	96
16	4.855	83	15.87	230	63.347	74	36.57	282	18.96	4	71.84	343	64.382	139	41.01	90
25	[17] 4.938	46	18.17	231	[18] 63.421	29	39.39	281	[18] 18.92	20	75.27	332	[19] 64.521	100	41.91	82
Dez. 5	4.984	8	20.48	224	63.450	16	42.20	270	18.72	34	78.59	310	64.621	57	42.73	73
15	4.992	30	22.72	210	63.434	59	44.90	249	18.38	47	81.69	277	64.678	14	43.46	62
25	4.962	68	24.82	187	63.375	101	47.39	219	17.91	59	84.46	236	64.692	30	44.08	49
35	4.894		26.69		63.274		49.58		17.32		86.82		64.662		44.57	
Mittl. Ort	0.422		36.85		59.037		57.40		14.42		90.39		58.698		20.82	
sec δ, tg δ	1.090		—0.434		1.242		—0.737		3.728		—3.592		1.175		+0.617	
a, *a'*	+2.6		+11.2		+2.2		+11.0		—1.0		+10.9		+3.8		+10.8	
b, *b'*	—0.02		— 0.83		—0.03		— 0.84		—0.13		— 0.84		+0.02		— 0.84	

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Tag	145) 9 H. Camelop. AR.	Δ	145) Dekl.	Δ	147) ε Persei AR.	Δ	147) Dekl.	Δ	148) ξ Persei AR.	Δ	148) Dekl.	Δ	149) γ Eridani AR.	Δ	149) Dekl.	Δ
1934	$3^h\,51^m$		$+60°\,55'$		$3^h\,53^m$		$+39°\,49'$		$3^h\,54^m$		$+35°\,36'$		$3^h\,54^m$		$-13°\,41'$	
	s		"		s		"		s		"		s		"	
Jan. 0	32.40	15	21.99	172	27.126	63	30.42	81	42.590	55	24.27	62	58.667	62	39.28	146
10	32.25	22	23.71	135	27.063	109	31.23	59	42.535	98	24.89	43	58.605	96	40.74	124
20	32.03	28	25.06	93	26.954	148	31.82	33	42.437	136	25.32	22	58.509	125	41.98	98
30	31.75	33	25.99	48	26.806	179	32.15	7	42.301	166	25.54	0	58.384	148	42.96	70
Feb. 9	31.42	35	26.47	1	26.627	199	32.22	20	42.135	185	25.54	23	58.236	164	43.66	42
19	31.07	36	26.48	46	26.428	208	32.02	48	41.950	195	25.31	46	58.072	171	44.08	12
März 1	30.71	35	26.02	89	26.220	205	31.54	72	41.755	191	24.85	66	57.901	169	44.20	17
11	30.36	32	25.13	130	26.015	187	30.82	93	41.564	176	24.19	84	57.732	157	44.03	47
21	30.04	27	23.83	164	25.828	157	29.89	109	41.388	148	23.35	96	57.575	137	43.56	75
31	29.77	21	22.19	191	25.671	119	28.80	121	41.240	111	22.39	104	57.438	108	42.81	103
Apr. 10	29.56	13	20.28	209	25.552	69	27.59	127	41.129	66	21.35	108	57.330	72	41.78	131
20	29.43	5	18.19	220	25.483	16	26.32	126	41.063	14	20.27	104	57.258	31	40.47	155
30	29.38	4	15.99	221	25.467	43	25.06	120	41.049	41	19.23	97	57.227	14	38.92	177
Mai 10	29.42	13	13.78	214	25.510	102	23.86	108	41.090	97	18.26	84	57.241	59	37.15	197
20	29.55	21	11.64	201	25.612	159	22.78	92	41.187	151	17.42	69	57.300	105	35.18	212
30	29.76	30	9.63	179	25.771	212	21.86	72	41.338	202	16.73	49	57.405	148	33.06	222
Juni 9	30.06	37	7.84	154	25.983	261	21.14	51	41.540	248	16.24	29	57.553	187	30.84	227
19	30.43	44	6.30	123	26.244	302	20.63	26	41.788	288	15.95	6	57.740	222	28.57	227
29	30.87	48	5.07	89	26.546	336	20.37	3	42.076	320	15.89	16	57.962	251	26.30	220
Juli 9	31.35	53	4.18	55	26.882	362	20.34	21	42.396	344	16.05	36	58.213	274	24.10	207
19	31.88	56	3.63	18	27.244	381	20.55	45	42.740	362	16.41	56	58.487	291	22.03	189
29	32.44	58	3.45	18	27.625	390	21.00	65	43.102	371	16.97	74	58.778	300	20.14	163
Aug. 8	33.02	59	3.63	54	28.015	393	21.65	83	43.473	374	17.71	88	59.078	303	18.51	132
18	33.61	58	4.17	87	28.408	389	22.48	100	43.847	370	18.59	100	59.381	301	17.19	98
28	34.19	57	5.04	119	28.797	379	23.48	113	44.217	361	19.59	110	59.682	293	16.21	59
Sept. 7	34.76	55	6.23	148	29.176	365	24.61	124	44.578	347	20.69	117	59.975	281	15.62	20
17	35.31	52	7.71	175	29.541	346	25.85	132	44.925	329	21.86	121	60.256	265	15.42	21
27	35.83	48	9.46	197	29.887	322	27.17	138	45.254	308	23.07	123	60.521	245	15.63	60
Okt. 7	36.31	44	11.43	217	30.209	297	28.55	142	45.562	282	24.30	124	60.766	221	16.23	97
17	36.75	39	13.60	233	30.506	267	29.97	143	45.844	255	25.54	123	60.987	196	17.20	128
27	37.14	33	15.93	244	30.773	233	31.40	144	46.099	223	26.77	120	61.183	167	18.48	154
Nov. 6	37.47	28	18.37	251	31.006	196	32.84	142	46.322	189	27.97	117	61.350	136	20.02	173
16	37.75	20	20.88	251	31.202	154	34.26	138	46.511	150	29.14	112	61.486	104	21.75	184
25	[19]37.95	13	23.39	246	[20]31.356	110	35.64	130	[20]46.661	108	30.26	105	[20]61.590	68	23.59	188
Dez. 5	38.08	5	25.85	234	31.466	63	36.94	121	46.769	64	31.31	97	61.658	32	25.47	186
15	38.13	3	28.19	215	31.529	14	38.15	108	46.833	18	32.28	84	61.690	5	27.33	176
25	38.10	10	30.34	189	31.543	37	39.23	90	46.851	30	33.12	70	61.685	42	29.09	160
35	38.00		32.23		31.506		40.13		46.821		33.82		61.643		30.69	
Mittl. Ort	29.61		2.97		25.102		15.02		40.634		9.75		56.934		42.76	
sec δ, tg δ	2.057		+1.798		1.302		+0.834		1.230		+0.716		1.029		−0.244	
a, *a'*	+5.1		+10.7		+4.0		+10.5		+3.9		+10.4		+2.8		+10.4	
b, *b'*	+0.06		−0.85		+0.03		−0.85		+0.02		−0.85		−0.01		−0.85	

Tag	150) λ Tauri AR.		150) λ Tauri Dekl.		151) ν Tauri AR.		151) ν Tauri Dekl.		152) c Persei AR.		152) c Persei Dekl.		154) o¹ Eridani AR.		154) o¹ Eridani Dekl.	
1934	3ʰ 57ᵐ		+12° 18′		3ʰ 59ᵐ		+5° 48′		4ʰ 3ᵐ		+47° 32′		4ʰ 8ᵐ		−7° 0′	
	s		″		s		″		s		″		s		″	
Jan. 0	2.983	41	27.97	45	40.325	40	34.39	73	54.045	71	33.22	121	40.313	45	25.55	128
10	2.942	76	27.52	44	40.285	76	33.66	66	53.974	123	34.43	95	40.268	80	26.83	111
20	2.866	108	27.08	42	40.209	106	33.00	59	53.851	170	35.38	64	40.188	111	27.94	91
30	2.758	133	26.66	41	40.103	132	32.41	51	53.681	208	36.02	32	40.077	137	28.85	70
Feb. 9	2.625	150	26.25	39	39.971	149	31.90	41	53.473	233	36.34	2	39.940	155	29.55	47
19	2.475	159	25.86	35	39.822	158	31.49	32	53.240	245	36.32	38	39.785	165	30.02	24
März 1	2.316	158	25.51	32	39.664	157	31.17	20	52.995	242	35.94	69	39.620	166	30.26	0
11	2.158	145	25.19	25	39.507	146	30.97	7	52.753	224	35.25	99	39.454	156	30.26	24
21	2.013	125	24.94	17	39.361	126	30.90	5	52.529	193	34.26	124	39.298	137	30.02	48
31	1.888	94	24.77	7	39.235	97	30.95	21	52.336	150	33.02	142	39.161	111	29.54	72
Apr. 10	1.794	57	24.70	5	39.138	60	31.16	37	52.186	97	31.60	155	39.050	76	28.82	95
20	1.737	15	24.75	19	39.078	19	31.53	55	52.089	36	30.05	160	38.974	36	27.87	118
30	1.722	31	24.94	36	39.059	25	32.08	71	52.053	28	28.45	159	38.938	8	26.69	139
Mai 10	1.753	78	25.30	52	39.084	70	32.79	89	52.081	95	26.86	151	38.946	52	25.30	158
20	1.831	124	25.82	68	39.154	116	33.68	106	52.176	159	25.35	138	38.998	97	23.72	174
30	1.955	167	26.50	85	39.270	159	34.74	120	52.335	220	23.97	120	39.095	140	21.98	187
Juni 9	2.122	207	27.35	98	39.429	197	35.94	132	52.555	276	22.77	98	39.235	180	20.11	194
19	2.329	240	28.33	110	39.626	231	37.26	141	52.831	324	21.79	73	39.415	214	18.17	198
29	2.569	268	29.43	119	39.857	259	38.67	146	53.155	364	21.06	46	39.629	243	16.19	196
Juli 9	2.837	289	30.62	124	40.116	280	40.13	147	53.519	395	20.60	20	39.872	267	14.23	187
19	3.126	304	31.86	126	40.396	296	41.60	142	53.914	419	20.40	8	40.139	284	12.36	174
29	3.430	312	33.12	122	40.692	304	43.02	133	54.333	432	20.48	35	40.423	295	10.62	154
Aug. 8	3.742	315	34.34	115	40.996	307	44.35	121	54.765	439	20.83	59	40.718	299	9.08	131
18	4.057	311	35.49	105	41.303	304	45.56	103	55.204	437	21.42	82	41.017	300	7.77	101
28	4.368	304	36.54	90	41.607	298	46.59	83	55.641	430	22.24	102	41.317	293	6.76	69
Sept. 7	4.672	292	37.44	75	41.905	285	47.42	61	56.071	415	23.26	121	41.610	284	6.07	35
17	4.964	275	38.19	56	42.190	271	48.03	36	56.486	396	24.47	137	41.894	270	5.72	1
27	5.239	258	38.75	38	42.461	253	48.39	12	56.882	373	25.84	150	42.164	252	5.73	35
Okt. 7	5.497	237	39.13	19	42.714	232	48.51	10	57.255	344	27.34	161	42.416	232	6.08	68
17	5.734	213	39.32	3	42.946	208	48.41	32	57.599	311	28.95	170	42.648	208	6.76	97
27	5.947	187	39.35	11	43.154	183	48.09	49	57.910	274	30.65	175	42.856	183	7.73	121
Nov. 6	6.134	158	39.24	24	43.337	155	47.60	64	58.184	231	32.40	179	43.039	154	8.94	139
16	6.292	127	39.00	34	43.492	124	46.96	74	58.415	185	34.19	177	43.193	122	10.33	152
25	[20] 6.419	93	38.66	40	[21] 43.616	91	46.22	81	[22] 58.600	133	35.96	173	[23] 43.315	88	11.85	157
Dez. 5	6.512	56	38.26	44	43.707	54	45.41	83	58.733	77	37.69	165	43.403	52	13.42	157
15	6.568	19	37.82	46	43.761	17	44.58	82	58.810	20	39.34	151	43.455	14	14.99	150
25	6.587	19	37.36	47	43.778	20	43.76	78	58.830	38	40.85	133	43.469	24	16.49	139
35	6.568		36.89		43.758		42.98		58.792		42.18		43.445		17.88	
Mittl. Ort	1.239		18.59		38.592		26.53		51.747		16.94		38.553		30.61	
sec δ, tg δ	1.024		+0.218		1.005		+0.102		1.481		+1.093		1.008		−0.123	
a, *a′*	+3.3		+10.2		+3.2		+10.0		+4.3		+9.7		+2.9		+9.4	
b, *b′*	+0.01		−0.86		0.00		−0.87		+0.04		−0.87		0.00		−0.88	

Scheinbare Sternörter 1934

Tag	155) α Horologii				156) α Reticuli				160) υ⁴ Eridani				162) δ Tauri			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1934	4h 11m		−42° 26′		4h 13m		−62° 37′		4h 15m		−33° 57′		4h 19m		+17° 23′	
Jan. 0	50.831 s	130	84.45 ″	230	37.10 s	29	82.55 ″	244	25.648 s	94	30.92 ″	216	9.418 s	24	30.90 ″	22
10	50.701	173	86.75	189	36.81	37	84.99	197	25.554	133	33.08	181	9.394	63	30.68	23
20	50.528	210	88.64	144	36.44	41	86.96	145	25.421	169	34.89	141	9.331	99	30.45	25
30	50.318	238	90.08	96	36.03	45	88.41	89	25.252	197	36.30	98	9.232	128	30.20	28
Feb. 9	50.080	258	91.04	47	35.58	48	89.30	33	25.055	216	37.28	52	9.104	151	29.92	30
19	49.822	268	91.51	4	35.10	49	89.63	24	24.839	226	37.80	8	8.953	164	29.62	32
März 1	49.554	266	91.47	53	34.61	48	89.39	79	24.613	227	37.88	37	8.789	166	29.30	33
11	49.288	253	90.94	101	34.13	46	88.60	132	24.386	217	37.51	81	8.623	158	28.97	33
21	49.035	231	89.93	146	33.67	42	87.28	180	24.169	196	36.70	123	8.465	139	28.64	31
31	48.804	198	88.47	187	33.25	38	85.48	224	23.973	167	35.47	161	8.326	110	28.33	26
Apr. 10	48.606	156	86.60	224	32.87	31	83.24	263	23.806	130	33.86	197	8.216	75	28.07	18
20	48.450	109	84.36	257	32.56	25	80.61	296	23.676	86	31.89	228	8.141	33	27.89	9
30	48.341	57	81.79	284	32.31	16	77.65	323	23.590	38	29.61	255	8.108	13	27.80	3
Mai 10	48.284	1	78.95	304	32.15	9	74.42	341	23.552	13	27.06	276	8.121	61	27.83	17
20	48.283	55	75.91	317	32.06	0	71.01	352	23.565	63	24.30	291	8.182	107	28.00	32
30	48.338	111	72.74	325	32.06	9	67.49	354	23.628	113	21.39	300	8.289	153	28.32	46
Juni 9	48.449	163	69.49	322	32.15	16	63.95	349	23.741	160	18.39	300	8.442	193	28.78	61
19	48.612	211	66.27	312	32.31	25	60.46	333	23.901	203	15.39	293	8.635	230	29.39	74
29	48.823	253	63.15	293	32.56	31	57.13	309	24.104	241	12.46	279	8.865	260	30.13	85
Juli 9	49.076	289	60.22	266	32.87	38	54.04	277	24.345	272	9.67	256	9.125	285	30.98	92
19	49.365	318	57.56	231	33.25	43	51.27	235	24.617	297	7.11	225	9.410	303	31.90	97
29	49.683	339	55.25	190	33.68	47	48.92	187	24.914	314	4.86	188	9.713	314	32.87	98
Aug. 8	50.022	351	53.35	141	34.15	50	47.05	132	25.228	325	2.98	145	10.027	320	33.85	97
18	50.373	356	51.94	87	34.65	51	45.73	72	25.553	328	1.53	96	10.347	320	34.82	90
28	50.729	353	51.07	31	35.16	51	45.01	10	25.881	326	0.57	43	10.667	315	35.72	82
Sept. 7	51.082	341	50.76	28	35.67	50	44.91	53	26.207	315	0.14	11	10.982	307	36.54	71
17	51.423	323	51.04	86	36.17	47	45.44	117	26.522	300	0.25	65	11.289	294	37.25	58
27	51.746	298	51.90	141	36.64	43	46.61	175	26.822	279	0.90	117	11.583	279	37.83	44
Okt. 7	52.044	267	53.31	191	37.07	38	48.36	229	27.101	253	2.07	166	11.862	260	38.27	31
17	52.311	232	55.22	235	37.45	31	50.65	274	27.354	223	3.73	207	12.122	239	38.58	18
27	52.543	190	57.57	270	37.76	24	53.39	310	27.577	188	5.80	241	12.361	214	38.76	7
Nov. 6	52.733	146	60.27	294	38.00	16	56.49	333	27.765	150	8.21	265	12.575	186	38.83	2
16	52.879	97	63.21	309	38.16	7	59.82	345	27.915	109	10.86	281	12.761	155	38.81	9
25*)	[24] 52.976	48	66.30	310	[25] 38.23	0	63.27	345	[25] 28.024	66	13.67	284	12.916	120	38.72	15
Dez. 5	53.024	3	69.40	301	38.23	10	66.72	331	28.090	21	16.51	278	[26] 13.036	81	38.57	19
15	53.021	54	72.41	282	38.13	18	70.03	307	28.111	25	19.29	262	13.117	42	38.38	21
25	52.967	103	75.23	254	37.95	25	73.10	272	28.086	69	21.91	237	13.159	0	38.17	22
35	52.864		77.77		37.70		75.82		28.017		24.28		13.159		37.95	
Mittl. Ort	48.722		83.23		34.14		79.26		23.682		31.09		7.547		20.91	
sec δ, tg δ	1.355		−0.915		2.176		−1.932		1.206		−0.673		1.048		+0.313	
a, *a′*	+2.0		+9.1		+0.8		+9.0		+2.3		+8.8		+3.5		+8.5	
b, *b′*	−0.03		−0.89		−0.06		−0.89		−0.02		−0.90		+0.01		−0.90	

*) Bei Stern 162) lies Nov. 26

Tag	164) ε Tauri AR.		164) ε Tauri Dekl.		168) α Tauri AR.		168) α Tauri Dekl.	
1934	$4^h 24^m$		$+19° 2'$		$4^h 32^m$		$+16° 22'$	
Jan. 0	47.515	18	18.16	13	9.775	13	50.56	27
10	47.497	60	18.03	16	9.762	54	50.29	27
20	47.437	97	17.87	19	9.708	92	50.02	27
30	47.340	128	17.68	22	9.616	123	49.75	28
Feb. 9	47.212	151	17.46	27	9.493	148	49.47	29
19	47.061	165	17.19	30	9.345	163	49.18	29
März 1	46.896	169	16.89	33	9.182	168	48.89	30
11	46.727	161	16.56	35	9.014	161	48.59	28
21	46.566	143	16.21	33	8.853	145	48.31	25
31	46.423	115	15.88	32	8.708	119	48.06	21
Apr. 10	46.308	80	15.56	26	8.589	84	47.85	13
20	46.228	37	15.30	17	8.505	44	47.72	5
30	46.191	8	15.13	6	8.461	1	47.67	7
Mai 10	46.199	56	15.07	6	8.462	48	47.74	20
20	46.255	104	15.13	20	8.510	94	47.94	34
30	46.359	148	15.33	35	8.604	139	48.28	48
Juni 9	46.507	191	15.68	49	8.743	181	48.76	60
19	46.698	228	16.17	62	8.924	217	49.36	73
29	46.926	259	16.79	74	9.141	249	50.09	82
Juli 9	47.185	284	17.53	82	9.390	275	50.91	89
19	47.469	302	18.35	88	9.665	294	51.80	93
29	47.771	315	19.23	90	9.959	308	52.73	93
Aug. 8	48.086	322	20.13	90	10.267	315	53.66	89
18	48.408	323	21.03	85	10.582	317	54.55	83
28	48.731	320	21.88	79	10.899	315	55.38	74
Sept. 7	49.051	311	22.67	69	11.214	308	56.12	61
17	49.362	300	23.36	59	11.522	298	56.73	48
27	49.662	285	23.95	46	11.820	284	57.21	33
Okt. 7	49.947	267	24.41	35	12.104	268	57.54	20
17	50.214	246	24.76	23	12.372	248	57.74	6
27	50.460	222	24.99	13	12.620	224	57.80	5
Nov. 6	50.682	193	25.12	5	12.844	197	57.75	15
16	50.875	163	25.17	2	13.041	167	57.60	21
26	51.038	126	25.15	6	13.208	132	57.39	26
Dez. 5	28 51.164	89	25.09	10	29 13.340	94	57.13	28
15	51.253	48	24.99	12	13.434	53	56.85	29
25	51.301	5	24.87	14	13.487	11	56.56	30
35	51.306		24.73		13.498		56.26	
Mittl. Ort	45.608		8.01		7.860		41.12	
sec δ, tg δ	1.058		+0.345		1.042		+0.294	
a, *a'*	+3.5		+8.1		+3.4		+7.5	
b, *b'*	+0.01		−0.91		+0.01		−0.93	

Tag	171) α Doradus AR.		171) α Doradus Dekl.		169) ν Eridani AR.		169) ν Eridani Dekl.	
1934	$4^h 32^m$		$-55° 10'$		$4^h 33^m$		$-3° 28'$	
Jan. 0	36.769	189	52.10	263	3.030	23	64.30	123
10	36.580	247	54.73	221	3.007	62	65.53	108
20	36.333	296	56.94	173	2.945	97	66.61	91
30	36.037	335	58.67	121	2.848	126	67.52	72
Feb. 9	35.702	363	59.88	67	2.722	150	68.24	53
19	35.339	377	60.55	11	2.572	163	68.77	33
März 1	34.962	379	60.66	43	2.409	168	69.10	13
11	34.583	368	60.23	95	2.241	162	69.23	9
21	34.215	343	59.28	144	2.079	147	69.14	30
31	33.872	306	57.84	191	1.932	123	68.84	51
Apr. 10	33.566	260	55.93	232	1.809	91	68.33	72
20	33.306	204	53.61	267	1.718	53	67.61	93
30	33.102	141	50.94	298	1.665	11	66.68	113
Mai 10	32.961	75	47.96	321	1.654	33	65.55	131
20	32.886	6	44.75	337	1.687	78	64.24	147
30	32.880	64	41.38	344	1.765	120	62.77	161
Juni 9	32.944	132	37.94	344	1.885	160	61.16	170
19	33.076	196	34.50	333	2.045	197	59.46	175
29	33.272	255	31.17	315	2.242	228	57.71	175
Juli 9	33.527	306	28.02	287	2.470	253	55.96	171
19	33.833	351	25.15	251	2.723	273	54.25	161
29	34.184	386	22.64	206	2.996	287	52.64	145
Aug. 8	34.570	411	20.58	156	3.283	295	51.19	124
18	34.981	425	19.02	99	3.578	298	49.95	99
28	35.406	430	18.03	38	3.876	296	48.96	70
Sept. 7	35.836	423	17.65	25	4.172	290	48.26	39
17	36.259	406	17.90	88	4.462	279	47.87	7
27	36.665	378	18.78	148	4.741	266	47.80	26
Okt. 7	37.043	341	20.26	204	5.007	250	48.06	57
17	37.384	296	22.30	252	5.257	229	48.63	85
27	37.680	244	24.82	292	5.486	206	49.48	108
Nov. 6	37.924	183	27.74	321	5.692	178	50.56	126
16	38.107	119	30.95	339	5.870	149	51.82	139
26	38.226	52	34.34	343	6.019	115	53.21	146
Dez. 5	29 38.278	17	37.77	336	30 6.134	78	54.67	146
15	38.261	87	41.13	317	6.212	39	56.13	142
25	38.174	153	44.30	288	6.251	0	57.55	133
35	38.021		47.18		6.251		58.88	
Mittl. Ort	34.204		50.51		1.196		70.08	
sec δ, tg δ	1.751		−1.438		1.002		−0.061	
a, *a'*	+1.3		+7.5		+3.0		+7.4	
b, *b'*	−0.04		−0.93		0.00		−0.93	

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Tag	172) 53 Eridani AR.		Dekl.		174) τ Tauri AR.		Dekl.	
1934	$4^h 35^m$		$-14° 25'$		$4^h 38^m$		$+22° 49'$	
Jan. 0	11.237	35	51.15	170	18.881	8	65.01	7
10	11.202	74	52.85	148	18.873	51	65.08	3
20	11.128	109	54.33	122	18.822	92	65.11	2
30	11.019	139	55.55	94	18.730	126	65.09	9
Feb. 9	10.880	162	56.49	64	18.604	152	65.00	16
19	10.718	176	57.13	34	18.452	170	64.84	24
März 1	10.542	181	57.47	3	18.282	175	64.60	31
11	10.361	175	57.50	27	18.107	169	64.29	36
21	10.186	160	57.23	58	17.938	153	63.93	40
31	10.026	137	56.65	86	17.785	127	63.53	42
Apr. 10	9.889	104	55.79	115	17.658	92	63.11	40
20	9.785	67	54.64	141	17.566	50	62.71	35
30	9.718	24	53.23	164	17.516	4	62.36	27
Mai 10	9.694	20	51.59	186	17.512	45	62.09	18
20	9.714	65	49.73	202	17.557	93	61.91	6
30	9.779	109	47.71	215	17.650	140	61.85	8
Juni 9	9.888	151	45.56	222	17.790	183	61.93	21
19	10.039	187	43.34	224	17.973	221	62.14	35
29	10.226	221	41.10	219	18.194	255	62.49	46
Juli 9	10.447	248	38.91	209	18.449	283	62.95	58
19	10.695	269	36.82	191	18.732	303	63.53	65
29	10.964	285	34.91	168	19.035	317	64.18	70
Aug. 8	11.249	294	33.23	139	19.352	327	64.88	72
18	11.543	299	31.84	104	19.679	330	65.60	73
28	11.842	298	30.80	67	20.009	328	66.33	69
Sept. 7	12.140	292	30.13	25	20.337	322	67.02	63
17	12.432	282	29.88	17	20.659	313	67.65	57
27	12.714	267	30.05	57	20.972	300	68.22	49
Okt. 7	12.981	250	30.62	97	21.272	284	68.71	40
17	13.231	228	31.59	132	21.556	263	69.11	33
27	13.459	204	32.91	161	21.819	240	69.44	26
Nov. 6	13.663	175	34.52	183	22.059	213	69.70	20
16	13.838	142	36.35	199	22.272	181	69.90	16
26	13.980	107	38.34	205	22.453	145	70.06	13
Dez. 5	30 14.087	70	40.39	206	1 22.598	105	70.19	11
15	14.157	29	42.45	198	22.703	62	70.30	9
25	14.186	12	44.43	183	22.765	18	70.39	6
35	14.174		46.26		22.783		70.45	
Mittl. Ort	9.383		55.03		16.878		54.64	
sec δ, tg δ	1.033		—0.257		1.085		+0.421	
a, *a'*	+2.8		+7.3		+3.6		+7.0	
b, *b'*	—0.01		—0.93		+0.01		—0.94	

Tag	173) Grb 848 AR.		Dekl.		175) 4 Camelop. AR.		Dekl.	
1934	$4^h 39^m$		$+75° 49'$		$4^h 42^m$		$+56° 38'$	
Jan. 0	61.03	24	45.53	258	32.847	48	46.82	180
10	60.79	39	48.11	226	32.799	120	48.62	156
20	60.40	53	50.37	183	32.679	187	50.18	125
30	59.87	64	52.20	136	32.492	242	51.43	90
Feb. 9	59.23	73	53.56	82	32.250	284	52.33	50
19	58.50	77	54.38	27	31.966	310	52.83	9
März 1	57.73	79	54.65	30	31.656	318	52.92	32
11	56.94	75	54.35	84	31.338	308	52.60	72
21	56.19	69	53.51	135	31.030	280	51.88	109
31	55.50	60	52.16	180	30.750	237	50.79	140
Apr. 10	54.90	47	50.36	216	30.513	181	49.39	165
20	54.43	32	48.20	244	30.332	113	47.74	183
30	54.11	17	45.76	263	30.219	39	45.91	193
Mai 10	53.94	0	43.13	272	30.180	38	43.98	197
20	53.94	17	40.41	272	30.218	117	42.01	194
30	54.11	32	37.69	264	30.335	193	40.07	183
Juni 9	54.43	49	35.05	249	30.528	263	38.24	167
19	54.92	63	32.56	225	30.791	327	36.57	148
29	55.55	75	30.31	197	31.118	384	35.09	124
Juli 9	56.30	86	28.34	163	31.502	430	33.85	97
19	57.16	95	26.71	127	31.932	468	32.88	68
29	58.11	102	25.44	88	32.400	495	32.20	40
Aug. 8	59.13	107	24.56	46	32.895	515	31.80	10
18	60.20	110	24.10	5	33.410	524	31.70	20
28	61.30	110	24.05	36	33.934	525	31.90	47
Sept. 7	62.40	110	24.41	78	34.459	519	32.37	74
17	63.50	107	25.19	117	34.978	507	33.11	100
27	64.57	103	26.36	155	35.485	486	34.11	124
Okt. 7	65.60	96	27.91	191	35.971	460	35.35	146
17	66.56	87	29.82	222	36.431	426	36.81	165
27	67.43	77	32.04	249	36.857	384	38.46	182
Nov. 6	68.20	65	34.53	271	37.241	337	40.28	195
16	68.85	52	37.24	288	37.578	280	42.23	205
26	69.37	37	40.12	297	37.858	216	44.28	211
Dez. 5	1 69.74	20	43.09	298	2 38.074	148	46.39	209
15	69.94	3	46.07	289	38.222	72	48.48	203
25	69.97	13	48.96	271	38.294	3	50.51	190
35	69.84		51.67		38.291		52.41	
Mittl. Ort	55.03		28.51		29.809		31.74	
sec δ, tg δ	4.083		+3.959		1.819		+1.519	
a, *a'*	+8.0		+6.9		+5.0		+6.6	
b, *b'*	+0.09		—0.94		+0.03		—0.94	

Tag	178) 9 Camelop. AR.		178) Dekl.		180) π^5 Orionis AR.		180) Dekl.		181) ι Aurigae AR.		181) Dekl.		183) ε Aurigae AR.		183) Dekl.	
1934	$4^h 47^m$		+66° 13′		$4^h 50^m$		+2° 20′		$4^h 52^m$		+33° 3′		$4^h 57^m$		+43° 43′	
Jan. 0	32.45	8	75.42	225	50.609	4	8.71	101	43.784	3	59.27	63	16.254	0	51.31	121
10	32.37	19	77.67	197	50.605	45	7.70	89	43.787	47	59.90	54	16.254	58	52.52	106
20	32.18	28	79.64	162	50.560	84	6.81	77	43.740	93	60.44	42	16.196	113	53.58	87
30	31.90	35	81.26	121	50.476	115	6.04	64	43.647	134	60.86	27	16.083	159	54.45	64
Feb. 9	31.55	41	82.47	75	50.361	142	5.40	49	43.513	165	61.13	11	15.924	196	55.09	38
19	31.14	44	83.22	26	50.219	159	4.91	34	43.348	186	61.24	7	15.728	221	55.47	9
März 1	30.70	45	83.48	24	50.060	167	4.57	20	43.162	195	61.17	25	15.507	232	55.56	20
11	30.25	44	83.24	71	49.893	164	4.37	4	42.967	192	60.92	42	15.275	229	55.36	48
21	29.81	41	82.53	117	49.729	151	4.33	11	42.775	177	60.50	56	15.046	211	54.88	74
31	29.40	35	81.36	155	49.578	130	4.44	28	42.598	150	59.94	69	14.835	182	54.14	96
Apr. 10	29.05	27	79.81	188	49.448	99	4.72	44	42.448	113	59.25	76	14.653	140	53.18	112
20	28.78	19	77.93	212	49.349	63	5.16	62	42.335	69	58.49	81	14.513	90	52.06	125
30	28.59	9	75.81	228	49.286	22	5.78	79	42.266	19	57.68	80	14.423	34	50.81	132
Mai 10	28.50	2	73.53	237	49.264	22	6.57	94	42.247	32	56.88	76	14.389	26	49.49	132
20	28.52	12	71.16	236	49.286	66	7.51	110	42.279	85	56.12	68	14.415	86	48.17	128
30	28.64	22	68.80	229	49.352	109	8.61	123	42.364	136	55.44	58	14.501	144	46.89	120
Juni 9	28.86	31	66.51	214	49.461	150	9.84	134	42.500	184	54.86	45	14.645	200	45.69	107
19	29.17	41	64.37	194	49.611	186	11.18	141	42.684	228	54.41	30	14.845	250	44.62	91
29	29.58	48	62.43	169	49.797	219	12.59	143	42.912	265	54.11	15	15.095	295	43.71	74
Juli 9	30.06	55	60.74	139	50.016	245	14.02	142	43.177	297	53.96	1	15.390	331	42.97	55
19	30.61	60	59.35	107	50.261	267	15.44	137	43.474	321	53.95	13	15.721	361	42.42	35
29	31.21	65	58.28	73	50.528	282	16.81	126	43.795	340	54.08	26	16.082	384	42.07	15
Aug. 8	31.86	67	57.55	38	50.810	293	18.07	110	44.135	352	54.34	36	16.466	400	41.92	4
18	32.53	69	57.17	2	51.103	298	19.17	91	44.487	358	54.70	44	16.866	408	41.96	21
28	33.22	70	57.15	33	51.401	298	20.08	67	44.845	360	55.14	52	17.274	411	42.17	39
Sept. 7	33.92	69	57.48	67	51.699	296	20.75	42	45.205	356	55.66	57	17.685	409	42.56	54
17	34.61	68	58.15	101	51.995	288	21.17	14	45.561	348	56.23	60	18.094	401	43.10	67
27	35.29	65	59.16	133	52.283	277	21.31	13	45.909	337	56.83	63	18.495	388	43.77	81
Okt. 7	35.94	61	60.49	162	52.560	263	21.18	39	46.246	321	57.46	64	18.883	371	44.58	93
17	36.55	57	62.11	189	52.823	245	20.79	63	46.567	301	58.10	66	19.254	349	45.51	104
27	37.12	52	64.00	212	53.068	224	20.16	84	46.868	277	58.76	68	19.603	321	46.55	113
Nov. 6	37.64	44	66.12	232	53.292	200	19.32	101	47.145	248	59.44	69	19.924	287	47.68	122
16	38.08	36	68.44	246	53.492	170	18.31	111	47.393	214	60.13	71	20.211	247	48.90	129
26	38.44	28	70.90	255	53.662	137	17.20	118	47.607	174	60.84	71	20.458	201	50.19	133
Dez. 5*)	3 38.72	18	73.45	256	4 53.799	100	16.02	119	5 47.781	131	61.55	71	6 20.659	149	51.52	134
15	38.90	8	76.01	251	53.899	61	14.83	115	47.912	83	62.26	68	20.808	93	52.86	132
25	38.98	2	78.52	236	53.960	20	13.68	109	47.995	32	62.94	65	20.901	34	54.18	125
35	38.96		80.88		53.980		12.59		48.027		63.59		20.935		55.43	
Mittl. Ort	28.47		59.76		48.714		2.08		41.557		47.94		13.723		38.82	
sec δ, tg δ	2.481		+2.271		1.001		+0.041		1.193		+0.651		1.384		+0.957	
a, *a′*	+6.0		+6.2		+3.1		+6.0		+3.9		+5.8		+4.3		+5.4	
b, *b′*	+0.05		—0.95		0.00		—0.95		+0.01		—0.96		+0.02		—0.96	

*) Bei Stern 183) lies Dez. 6

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Tag	182) 10 Camelop. AR.		182) 10 Camelop. Dekl.		184) ι Tauri AR.		184) ι Tauri Dekl.		185) η Aurigae AR.		185) η Aurigae Dekl.		186) ε Leporis AR.		186) ε Leporis Dekl.	
1934	$4^h\ 57^m$		+60° 20′		$4^h\ 59^m$		+21° 29′		$5^h\ 1^m$		+41° 8′		$5^h\ 2^m$		−22° 27′	
	s		″		s		″		s		″		s		″	
Jan. 0	35.77	4	67.83	203	11.004	11	59.59	1	55.456	8	61.29	108	41.949	26	27.49	216
10	35.73	12	69.86	181	11.015	$\overline{35}$	59.58	1	55.464	$\overline{49}$	62.37	96	41.923	69	29.65	190
20	35.61	20	71.67	150	10.980	77	59.57	4	55.415	101	63.33	79	41.854	109	31.55	160
30	35.41	26	73.17	115	10.903	115	59.53	7	55.314	148	64.12	58	41.745	144	33.15	127
Feb. 9	35.15	31	74.32	74	10.788	144	59.46	11	55.166	184	64.70	35	41.601	171	34.42	90
19	34.84	35	75.06	31	10.644	165	59.35	17	54.982	209	65.05	10	41.430	190	35.32	54
März 1	34.49	36	75.37	$\overline{14}$	10.479	175	59.18	22	54.773	221	65.15	$\overline{17}$	41.240	199	35.86	16
11	34.13	35	75.23	58	10.304	173	58.96	26	54.552	219	64.98	42	41.041	198	36.02	$\overline{21}$
21	33.78	33	74.65	98	10.131	160	58.70	30	54.333	204	64.56	66	40.843	187	35.81	58
31	33.45	29	73.67	134	9.971	137	58.40	32	54.129	176	63.90	86	40.656	166	35.23	93
Apr. 10	33.16	22	72.33	164	9.834	106	58.08	30	53.953	136	63.04	101	40.490	137	34.30	126
20	32.94	16	70.69	188	9.728	66	57.78	27	53.817	90	62.03	113	40.353	101	33.04	157
30	32.78	8	68.81	203	9.662	23	57.51	21	53.727	36	60.90	118	40.252	60	31.47	185
Mai 10	32.70	$\overline{1}$	66.78	210	9.639	$\overline{24}$	57.30	12	53.691	$\overline{21}$	59.72	119	40.192	16	29.62	208
20	32.71	10	64.68	212	9.663	72	57.18	3	53.712	79	58.53	115	40.176	$\overline{29}$	27.54	228
30	32.81	18	62.56	205	9.735	118	57.15	$\overline{9}$	53.791	136	57.38	107	40.205	75	25.26	242
Juni 9	32.99	25	60.51	193	9.853	162	57.24	21	53.927	189	56.31	94	40.280	118	22.84	251
19	33.24	33	58.58	175	10.015	201	57.45	32	54.116	238	55.37	81	40.398	159	20.33	252
29	33.57	40	56.83	153	10.216	236	57.77	42	54.354	280	54.56	64	40.557	196	17.81	248
Juli 9	33.97	45	55.30	127	10.452	265	58.19	50	54.634	316	53.92	47	40.753	227	15.33	235
19	34.42	49	54.03	100	10.717	288	58.69	56	54.950	346	53.45	28	40.980	253	12.98	215
29	34.91	53	53.03	69	11.005	305	59.25	60	55.296	367	53.17	12	41.233	275	10.83	189
Aug. 8	35.44	56	52.34	39	11.310	317	59.85	61	55.663	384	53.05	$\overline{5}$	41.508	290	8.94	156
18	36.00	57	51.95	8	11.627	323	60.46	59	56.047	392	53.10	21	41.798	299	7.38	117
28	36.57	58	51.87	$\overline{23}$	11.950	325	61.05	54	56.439	396	53.31	35	42.097	303	6.21	73
Sept. 7	37.15	57	52.10	53	12.275	323	61.59	47	56.835	395	53.66	48	42.400	303	5.48	26
17	37.72	57	52.63	82	12.598	317	62.06	39	57.230	388	54.14	59	42.703	297	5.22	$\overline{22}$
27	38.29	55	53.45	110	12.915	307	62.45	31	57.618	376	54.73	71	43.000	286	5.44	70
Okt. 7	38.84	52	54.55	136	13.222	293	62.76	21	57.994	361	55.44	80	43.286	271	6.14	115
17	39.36	49	55.91	159	13.515	277	62.97	13	58.355	340	56.24	89	43.557	252	7.29	157
27	39.85	44	57.50	181	13.792	256	63.10	7	58.695	314	57.13	98	43.809	228	8.86	193
Nov. 6	40.29	40	59.31	199	14.048	230	63.17	2	59.009	283	58.11	105	44.037	199	10.79	222
16	40.69	33	61.30	213	14.278	200	63.19	$\overline{2}$	59.292	245	59.16	111	44.236	166	13.01	241
26	41.02	26	63.43	222	14.478	166	63.17	4	59.537	201	60.27	116	44.402	129	15.42	251
Dez. 6	41.28	18	65.65	226	14.644	126	63.13	4	59.738	151	61.43	117	44.531	88	17.93	253
15	41.46	10	67.91	222	14.770	83	63.09	3	59.889	98	62.60	116	44.619	45	20.46	246
25	41.56	2	70.13	211	14.853	38	63.06	3	59.987	41	63.76	111	44.664	$\overline{1}$	22.92	231
35	41.58		72.24		14.891		63.03		60.028		64.87		44.663		25.23	
Mittl. Ort	32.32		53.53		8.937		50.24		52.982		49.43		39.999		30.64	
sec δ, tg δ	2.021		+1.757		1.075		+0.394		1.328		+0.874		1.082		−0.413	
a, *a'*	+5.3		+5.4		+3.6		+5.3		+4.2		+5.0		+2.5		+5.0	
b, *b'*	+0.03		−0.96		+0.01		−0.96		+0.01		−0.97		−0.01		−0.97	

Tag	188) β Eridani AR.	Δ	188) β Eridani Dekl.	Δ	192) μ. Aurigae AR.	Δ	192) μ. Aurigae Dekl.	Δ	194) β Orionis AR.	Δ	194) β Orionis Dekl.	Δ	191) 19 H. Camelop. AR.	Δ	191) 19 H. Camelop. Dekl.	Δ
1934	$5^h\ 4^m$		−5° 9′		$5^h\ 8^m$		+38° 24′		$5^h\ 11^m$		−8° 16′		$5^h\ 11^m$		+79° 9′	
Jan. 0	38.171	0	68.16	143	56.966	18	40.33	95	23.821	3	30.71	160	46.86	19	49.91	283
10	38.171	41	69.59	126	56.984	38	41.28	84	23.824	40	32.31	142	46.67	40	52.74	259
20	38.130	81	70.85	108	56.946	89	42.12	71	23.784	80	33.73	121	46.27	61	55.33	223
30	38.049	116	71.93	87	56.857	136	42.83	54	23.704	116	34.94	98	45.66	78	57.56	178
Feb. 9	37.933	143	72.80	66	56.721	172	43.37	33	23.588	144	35.92	74	44.88	91	59.34	128
19	37.790	162	73.46	43	56.549	198	43.70	11	23.444	163	36.66	48	43.97	100	60.62	72
März 1	37.628	172	73.89	21	56.351	211	43.81	12	23.281	175	37.14	23	42.97	104	61.34	15
11	37.456	171	74.10	2	56.140	211	43.69	35	23.106	176	37.37	2	41.93	103	61.49	43
21	37.285	161	74.08	24	55.929	197	43.34	56	22.930	165	37.35	28	40.90	98	61.06	99
31	37.124	142	73.84	47	55.732	172	42.78	74	22.765	148	37.07	53	39.92	88	60.07	148
Apr. 10	36.982	113	73.37	68	55.560	136	42.04	89	22.617	120	36.54	77	39.04	74	58.59	193
20	36.869	78	72.69	90	55.424	91	41.15	98	22.497	86	35.77	100	38.30	57	56.66	228
30	36.791	39	71.79	111	55.333	40	40.17	103	22.411	47	34.77	122	37.73	39	54.38	256
Mai 10	36.752	3	70.68	129	55.293	14	39.14	104	22.364	5	33.55	142	37.34	18	51.82	275
20	36.755	47	69.39	146	55.307	70	38.10	101	22.359	38	32.13	159	37.16	4	49.07	283
30	36.802	90	67.93	159	55.377	124	37.09	93	22.397	81	30.54	173	37.20	24	46.24	283
Juni 9	36.892	131	66.34	169	55.501	175	36.16	82	22.478	122	28.81	183	37.44	46	43.41	275
19	37.023	168	64.65	174	55.676	223	35.34	69	22.600	160	26.98	188	37.90	65	40.66	259
29	37.191	201	62.91	175	55.899	264	34.65	55	22.760	194	25.10	188	38.55	82	38.07	237
Juli 9	37.392	230	61.16	171	56.163	300	34.10	39	22.954	223	23.22	182	39.37	98	35.70	209
19	37.622	253	59.45	160	56.463	328	33.71	24	23.177	247	21.40	171	40.35	112	33.61	176
29	37.875	271	57.85	144	56.791	352	33.47	9	23.424	267	19.69	153	41.47	123	31.85	140
Aug. 8	38.146	284	56.41	124	57.143	367	33.38	5	23.691	281	18.16	131	42.70	132	30.45	101
18	38.430	292	55.17	98	57.510	376	33.43	19	23.972	289	16.85	102	44.02	139	29.44	59
28	38.722	295	54.19	68	57.886	382	33.62	29	24.261	294	15.83	69	45.41	142	28.85	17
Sept. 7	39.017	293	53.51	35	58.268	381	33.91	40	24.555	294	15.14	35	46.83	143	28.68	25
17	39.310	288	53.16	1	58.649	375	34.31	49	24.849	290	14.79	3	48.26	142	28.93	68
27	39.598	280	53.15	33	59.024	366	34.80	58	25.139	282	14.82	40	49.68	138	29.61	110
Okt. 7	39.878	267	53.48	67	59.390	352	35.38	65	25.421	270	15.22	75	51.06	132	30.71	149
17	40.145	250	54.15	96	59.742	334	36.03	72	25.691	254	15.97	108	52.38	123	32.20	187
27	40.395	230	55.11	123	60.076	310	36.75	79	25.945	234	17.05	137	53.61	111	34.07	222
Nov. 6	40.625	206	56.34	143	60.386	280	37.54	85	26.179	210	18.42	159	54.72	96	36.29	251
16	40.831	177	57.77	157	60.666	245	38.39	92	26.389	182	20.01	175	55.68	80	38.80	276
26	41.008	144	59.34	165	60.911	204	39.31	96	26.571	148	21.76	184	56.48	61	41.56	293
Dez. 6	41.152	107	60.99	167	61.115	157	40.27	98	26.719	111	23.60	186	57.09	40	44.49	302
15	41.259	66	62.66	162	61.272	105	41.25	99	26.830	70	25.46	181	57.49	17	47.51	303
25	41.325	25	64.28	153	61.377	50	42.24	96	26.900	27	27.27	171	57.66	5	50.54	293
35	41.350		65.81		61.427		43.20		26.927		28.98		57.61		53.47	
Mittl. Ort	36.259		73.57		54.538		29.25		21.897		35.70		38.45		35.51	
sec δ, tg δ	1.004		−0.090		1.276		+0.793		1.011		−0.146		5.317		+5.222	
a, *a′*	+3.0		+4.8		+4.1		+4.4		+2.9		+4.2		+9.9		+4.2	
b, *b′*	0.00		−0.97		+0.01		−0.98		0.00		−0.98		+0.07		−0.98	

Tag	193) α Aurigae AR.	Diff.	193) α Aurigae Dekl.	Diff.	196) ϑ Doradus AR.	Diff.	196) ϑ Doradus Dekl.	Diff.
1934	$5^h 11^m$		+45° 55′		$5^h 13^m$		−67° 15′	
Jan. 0	51.300	16	70.04	135	51.68	27	34.16	307
10	51.316	46	71.39	121	51.41	36	37.23	270
20	51.270	105	72.60	103	51.05	44	39.93	226
30	51.165	156	73.63	80	50.61	51	42.19	175
Feb. 9	51.009	198	74.43	54	50.10	56	43.94	122
19	50.811	227	74.97	24	49.54	60	45.16	67
März 1	50.584	242	75.21	8	48.94	61	45.83	12
11	50.342	242	75.13	37	48.33	61	45.95	44
21	50.100	228	74.76	66	47.72	58	45.51	97
31	49.872	200	74.10	91	47.14	55	44.54	146
Apr. 10	49.672	159	73.19	112	46.59	50	43.08	193
20	49.513	111	72.07	128	46.09	42	41.15	235
30	49.402	54	70.79	139	45.67	35	38.80	270
Mai 10	49.348	7	69.40	143	45.32	26	36.10	301
20	49.355	68	67.97	142	45.06	17	33.09	322
30	49.423	129	66.55	136	44.89	7	29.87	338
Juni 9	49.552	187	65.19	126	44.82	3	26.49	344
19	49.739	240	63.93	114	44.85	12	23.05	341
29	49.979	287	62.79	96	44.97	22	19.64	330
Juli 9	50.266	328	61.83	79	45.19	31	16.34	308
19	50.594	361	61.04	60	45.50	39	13.26	277
29	50.955	387	60.44	40	45.89	46	10.49	238
Aug. 8	51.342	407	60.04	20	46.35	51	8.11	191
18	51.749	418	59.84	1	46.86	56	6.20	136
28	52.167	424	59.83	17	47.42	58	4.84	77
Sept. 7	52.591	426	60.00	35	48.00	60	4.07	12
17	53.017	420	60.35	51	48.60	59	3.95	52
27	53.437	410	60.86	66	49.19	56	4.47	117
Okt. 7	53.847	395	61.52	81	49.75	52	5.64	178
17	54.242	374	62.33	95	50.27	47	7.42	234
27	54.616	347	63.28	108	50.74	40	9.76	281
Nov. 6	54.963	314	64.36	120	51.14	31	12.57	319
16	55.277	274	65.56	130	51.45	21	15.76	345
26	55.551	227	66.86	137	51.66	11	19.21	360
Dez. 6	55.778	173	68.23	141	51.77	1	22.81	360
15	[9] 55.951	114	69.64	142	[10] 51.78	10	26.41	351
25	56.065	53	71.06	138	51.68	21	29.92	328
35	56.118		72.44		51.47		33.20	
Mittl. Ort	48.608		58.31		48.18		34.40	
sec δ, tg δ	1.438		+1.033		2.587		−2.386	
a, *a'*	+4.4		+4.2		−0.1		+4.0	
b, *b'*	+0.01		−0.98		−0.03		−0.98	

Tag	201) γ Orionis AR.	Diff.	201) γ Orionis Dekl.	Diff.	202) β Tauri AR.	Diff.	202) β Tauri Dekl.	Diff.
1934	$5^h 21^m$		+6° 17′		$5^h 22^m$		+28° 33′	
Jan. 0	37.403	24	35.08	88	9.353	34	21.50	38
10	37.427	20	34.20	78	9.387	17	21.88	37
20	37.407	61	33.42	68	9.370	65	22.25	31
30	37.346	100	32.74	55	9.305	109	22.56	25
Feb. 9	37.246	130	32.19	44	9.196	144	22.81	14
19	37.116	153	31.75	33	9.052	170	22.95	3
März 1	36.963	166	31.42	22	8.882	184	22.98	9
11	36.797	169	31.20	10	8.698	188	22.89	21
21	36.628	160	31.10	1	8.510	178	22.68	33
31	36.468	143	31.11	14	8.332	158	22.35	42
Apr. 10	36.325	116	31.25	26	8.174	127	21.93	49
20	36.209	83	31.51	39	8.047	89	21.44	54
30	36.126	44	31.90	53	7.958	44	20.90	54
Mai 10	36.082	2	32.43	66	7.914	3	20.36	52
20	36.080	42	33.09	79	7.917	52	19.84	46
30	36.122	84	33.88	91	7.969	101	19.38	39
Juni 9	36.206	125	34.79	102	8.070	148	18.99	30
19	36.331	164	35.81	108	8.218	190	18.69	20
29	36.495	197	36.89	113	8.408	228	18.49	10
Juli 9	36.692	226	38.02	113	8.636	261	18.39	0
19	36.918	251	39.15	110	8.897	288	18.39	9
29	37.169	270	40.25	103	9.185	309	18.48	17
Aug. 8	37.439	284	41.28	90	9.494	325	18.65	22
18	37.723	294	42.18	75	9.819	335	18.87	26
28	38.017	299	42.93	56	10.154	342	19.13	28
Sept. 7	38.316	300	43.49	33	10.496	342	19.41	28
17	38.616	297	43.82	10	10.838	340	19.69	28
27	38.913	292	43.92	13	11.178	334	19.97	26
Okt. 7	39.205	282	43.79	37	11.512	324	20.23	24
17	39.487	268	43.42	57	11.836	309	20.47	24
27	39.755	251	42.85	76	12.145	289	20.71	24
Nov. 6	40.006	229	42.09	90	12.434	266	20.95	24
16	40.235	202	41.19	100	12.700	235	21.19	27
26	40.437	171	40.19	105	12.935	200	21.46	30
Dez. 6	40.608	134	39.14	106	13.135	159	21.76	32
15	[12] 40.742	93	38.08	102	[12] 13.294	112	22.08	35
25	40.835	50	37.06	96	13.406	63	22.43	37
35	40.885		36.10		13.469		22.80	
Mittl. Ort	35.413		28.46		7.098		12.33	
sec δ, tg δ	1.006		+0.110		1.138		+0.544	
a, *a'*	+3.2		+3.3		+3.8		+3.3	
b, *b'*	0.00		−0.99		+0.01		−0.99	

Obere Kulmination Greenwich

Tag	203) 17 Camelop. AR.		203) Dekl.		206) δ Orionis AR.		206) Dekl.		207) α Leporis AR.		207) Dekl.		205) Grb 966 AR.		205) Dekl.	
1934	$5^h 23^m$		$+63° 0'$		$5^h 28^m$		$-0° 20'$		$5^h 29^m$		$-17° 51'$		$5^h 30^m$		$+75° 0'$	
Jan. 0	59.77	1	65.18	223	39.992	27	42.01	126	51.081	7	61.99	212	59.87	3	25.89	275
10	59.78	9	67.41	205	40.019	20	43.27	113	51.088	39	64.11	191	59.84	22	28.64	255
20	59.69	18	69.46	180	39.999	61	44.40	96	51.049	82	66.02	164	59.62	36	31.19	226
30	59.51	26	71.26	146	39.938	99	45.36	80	50.967	120	67.66	134	59.26	49	33.45	187
Feb. 9	59.25	33	72.72	108	39.839	130	46.16	62	50.847	151	69.00	102	58.77	61	35.32	142
19	58.92	37	73.80	64	39.709	153	46.78	44	50.696	175	70.02	69	58.16	69	36.74	90
März 1	58.55	39	74.44	19	39.556	168	47.22	26	50.521	188	70.71	36	57.47	73	37.64	36
11	58.16	40	74.63	28	39.388	171	47.48	7	50.333	192	71.07	1	56.74	74	38.00	18
21	57.76	38	74.35	72	39.217	164	47.55	10	50.141	185	71.08	33	56.00	71	37.82	72
31	57.38	34	73.63	112	39.053	148	47.45	28	49.956	169	70.75	64	55.29	66	37.10	122
Apr. 10	57.04	29	72.51	149	38.905	122	47.17	47	49.787	144	70.11	96	54.63	56	35.88	167
20	56.75	21	71.02	178	38.783	91	46.70	64	49.643	111	69.15	126	54.07	45	34.21	204
30	56.54	14	69.24	200	38.692	53	46.06	81	49.532	75	67.89	152	53.62	32	32.17	234
Mai 10	56.40	5	67.24	215	38.639	12	45.25	98	49.457	32	66.37	176	53.30	17	29.83	255
20	56.35	4	65.09	223	38.627	30	44.27	113	49.425	10	64.61	196	53.13	1	27.28	267
30	56.39	14	62.86	223	38.657	72	43.14	126	49.435	54	62.65	212	53.12	14	24.61	272
Juni 9	56.53	22	60.63	216	38.729	113	41.88	135	49.489	96	60.53	223	53.26	29	21.89	268
19	56.75	30	58.47	203	38.842	151	40.53	143	49.585	136	58.30	228	53.55	44	19.21	257
29	57.05	38	56.44	186	38.993	186	39.10	144	49.721	173	56.02	226	53.99	56	16.64	239
Juli 9	57.43	44	54.58	165	39.179	215	37.66	143	49.894	205	53.76	218	54.55	69	14.25	215
19	57.87	50	52.93	139	39.394	240	36.23	136	50.099	233	51.58	203	55.24	80	12.10	188
29	58.37	54	51.54	111	39.634	260	34.87	125	50.332	255	49.55	182	56.04	88	10.22	156
Aug. 8	58.91	58	50.43	82	39.894	276	33.62	107	50.587	274	47.73	153	56.92	95	8.66	120
18	59.49	61	49.61	50	40.170	286	32.55	87	50.861	286	46.20	118	57.87	100	7.46	83
28	60.10	62	49.11	20	40.456	293	31.68	61	51.147	294	45.02	80	58.87	104	6.63	44
Sept. 7	60.72	63	48.91	13	40.749	295	31.07	33	51.441	298	44.22	37	59.91	106	6.19	5
17	61.35	62	49.04	44	41.044	294	30.74	4	51.739	297	43.85	9	60.97	106	6.14	35
27	61.97	61	49.48	75	41.338	289	30.70	27	52.036	292	43.94	53	62.03	104	6.49	76
Okt. 7	62.58	59	50.23	105	41.627	280	30.97	57	52.328	281	44.47	97	63.07	101	7.25	114
17	63.17	57	51.28	133	41.907	268	31.54	83	52.609	267	45.44	139	64.08	95	8.39	151
27	63.74	52	52.61	160	42.175	250	32.37	106	52.876	248	46.83	173	65.03	88	9.90	186
Nov. 6	64.26	47	54.21	184	42.425	229	33.43	125	53.124	223	48.56	203	65.91	78	11.76	218
16	64.73	40	56.05	204	42.654	202	34.68	139	53.347	194	50.59	224	66.69	67	13.94	244
26	65.13	33	58.09	220	42.856	172	36.07	145	53.541	160	52.83	236	67.36	54	16.38	265
Dez. 6	65.46	25	60.29	229	43.028	134	37.52	147	53.701	121	55.19	240	67.90	39	19.03	279
15	[13] 65.71	16	62.58	233	[14] 43.162	94	38.99	144	[14] 53.822	78	57.59	237	[14] 68.29	23	21.82	284
25	65.87	6	64.91	228	43.256	52	40.43	135	53.900	33	59.96	225	68.52	6	24.66	279
35	65.93		67.19		43.308		41.78		53.933		62.21		68.58		27.45	
Mittl. Ort	55.82		52.90		38.022		47.77		49.116		66.06		53.29		13.55	
sec δ, tg δ	2.204		+1.964		1.000		−0.006		1.051		−0.322		3.865		+3.733	
a, a'	+5.7		+3.1		+3.1		+2.7		+2.6		+2.6		+8.0		+2.5	
b, b'	+0.02		−0.99		0.00		−0.99		0.00		−0.99		+0.03		−0.99	

Scheinbare Sternörter 1934

Tag	209) ι Orionis AR.	Δ	209) ι Orionis Dekl.	Δ	210) ε Orionis AR.	Δ	210) ε Orionis Dekl.	Δ	212) β Doradus AR.	Δ	212) β Doradus Dekl.	Δ	211) ζ Tauri AR.	Δ	211) ζ Tauri Dekl.	Δ
1934	5h 32m		−5° 56′		5h 32m		−1° 14′		5h 33m		−62° 31′		5h 33m		+21° 6′	
Jan. 0	14.208		61.92		53.791		28.16		6.04		56.59		44.128		21.76	
10	14.231	23	63.49	157	53.819	28	29.48	132	5.87	17	59.83	324	44.172	44	21.70	6
20	14.210	21	64.89	140	53.803	16	30.67	119	5.62	25	62.74	291	44.167	5	21.68	2
30	14.147	63	66.10	121	53.745	58	31.69	102	5.29	33	65.25	251	44.115	52	21.67	1
Feb. 9	14.045	102	67.09	99	53.648	97	32.52	83	4.90	39	67.28	203	44.021	94	21.66	1
19	13.912	133	67.86	77	53.518	130	33.18	66	4.46	44	68.80	152	43.891	130	21.64	2
März 1	13.755	157	68.40	54	53.365	153	33.64	46	3.99	47	69.79	99	43.735	156	21.59	5
11	13.584	171	68.70	30	53.198	167	33.91	27	3.49	50	70.22	43	43.563	172	21.50	9
21	13.409	175	68.77	7	53.027	171	34.00	9	2.99	50	70.11	11	43.386	177	21.37	13
31	13.240	169	68.60	17	52.861	166	33.89	11	2.50	49	69.46	65	43.216	170	21.19	18
Apr. 10	13.087	153	68.21	39	52.711	150	33.60	29	2.04	46	68.30	116	43.062	154	20.99	20
20	12.958	129	67.59	62	52.586	125	33.12	48	1.62	42	66.65	165	42.936	126	20.78	21
30	12.861	97	66.75	84	52.492	94	32.45	67	1.25	37	64.57	208	42.844	92	20.58	20
Mai 10	12.800	61	65.71	104	52.435	57	31.61	84	0.94	31	62.09	248	42.793	51	20.41	17
20	12.780	20	64.47	124	52.419	16	30.60	101	0.71	23	59.28	281	42.786	7	20.29	12
30	12.802	22	63.07	140	52.445	26	29.44	116	0.56	15	56.21	307	42.824	38	20.23	6
Juni 9	12.866	64	61.53	154	52.512	67	28.15	129	0.48	8	52.94	327	42.908	84	20.25	2
19	12.971	105	59.89	164	52.621	109	26.76	139	0.49	1	49.57	337	43.036	128	20.36	11
29	13.115	144	58.19	170	52.767	146	25.30	146	0.58	9	46.18	339	43.204	168	20.55	19
Juli 9	13.293	178	56.47	172	52.948	181	23.82	148	0.75	17	42.86	332	43.409	205	20.82	27
19	13.501	208	54.79	168	53.159	211	22.36	146	1.00	25	39.71	315	43.646	237	21.14	32
29	13.735	234	53.21	158	53.396	237	20.97	139	1.31	31	36.83	288	43.909	263	21.50	36
Aug. 8	13.990	255	51.78	143	53.653	257	19.71	126	1.68	37	34.29	254	44.193	284	21.89	39
18	14.261	271	50.55	123	53.926	273	18.62	109	2.11	43	32.20	209	44.494	301	22.27	38
28	14.544	283	49.58	97	54.211	285	17.74	88	2.57	46	30.63	157	44.806	312	22.62	35
Sept. 7	14.835	291	48.90	68	54.502	291	17.13	61	3.07	50	29.64	99	45.126	320	22.91	29
17	15.128	293	48.56	34	54.797	295	16.80	33	3.58	51	29.27	37	45.448	322	23.14	23
27	15.421	293	48.56	0	55.091	294	16.77	3	4.09	51	29.55	28	45.770	322	23.28	14
Okt. 7	15.709	288	48.92	36	55.380	289	17.06	29	4.59	50	30.48	93	46.088	318	23.33	5
17	15.989	280	49.63	71	55.662	282	17.66	60	5.06	47	32.04	156	46.397	309	23.29	4
27	16.256	267	50.65	102	55.931	269	18.53	87	5.49	43	34.19	215	46.695	298	23.17	12
Nov. 6	16.506	250	51.95	130	56.184	253	19.64	111	5.87	38	36.84	265	46.976	281	23.00	17
16	16.734	228	53.47	152	56.416	232	20.95	131	6.19	32	39.92	308	47.236	260	22.80	20
26	16.936	202	55.15	168	56.621	205	22.39	144	6.43	24	43.31	339	47.468	232	22.58	22
Dez. 6	17.106	170	56.92	177	56.795	174	23.91	152	6.58	15	46.89	358	47.668	200	22.37	21
15	17.239	133	58.72	180	56.933	138	25.44	153	6.65	7	50.53	364	47.829	161	22.19	18
25	17.332	93	60.48	176	57.031	98	26.94	150	6.63	2	54.13	360	47.948	119	22.05	14
35	17.381	49	62.15	167	57.085	54	28.36	142	6.51	12	57.55	342	48.019	71	21.94	11
Mittl. Ort	12.248		67.09		51.817		33.78		2.98		58.15		41.963		13.96	
sec δ, tg δ	1.005		−0.104		1.000		−0.022		2.168		−1.924		1.072		+0.386	
a, *a′*	+2.9		+2.4		+3.0		+2.4		+0.5		+2.4		+3.6		+2.3	
b, *b′*	0.00		−0.99		0.00		−0.99		−0.02		−0.99		0.00		−0.99	

Tag	215) α Columbae				216) ο Aurigae				219) ζ Leporis				220) κ Orionis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1934	$5^h\ 37^m$		$-34^\circ\ 6'$		$5^h\ 40^m$		$+49^\circ 47'$		$5^h\ 43^m$		$-14^\circ 50'$		$5^h\ 44^m$		$-9^\circ\ 41'$	
Jan. 0	17ˢ.567	18	27″.48	278	50ˢ.171	52	67″.90	160	59ˢ.830	24	38″.68	206	39ˢ.523	30	25″.60	180
10	17.549	69	30.26	251	50.223	18	69.50	151	59.854	22	40.74	185	39.553	15	27.40	163
20	17.480	116	32.77	217	50.205	85	71.01	136	59.832	67	42.59	161	39.538	59	29.03	142
30	17.364	159	34.94	179	50.120	146	72.37	115	59.765	106	44.20	134	39.479	98	30.45	117
Feb. 9	17.205	193	36.73	137	49.974	197	73.52	88	59.659	139	45.54	104	39.381	132	31.62	91
19	17.012	219	38.10	93	49.777	235	74.40	58	59.520	165	46.58	74	39.249	157	32.53	65
März 1	16.793	234	39.03	47	49.542	259	74.98	25	59.355	181	47.32	42	39.092	173	33.18	38
11	16.559	239	39.50	3	49.283	268	75.23	9	59.174	187	47.74	10	38.919	180	33.56	11
21	16.320	233	39.53	43	49.015	259	75.14	43	58.987	183	47.84	20	38.739	175	33.67	16
31	16.087	217	39.10	85	48.756	237	74.71	74	58.804	168	47.64	51	38.564	161	33.51	41
Apr. 10	15.870	191	38.25	126	48.519	200	73.97	101	58.636	146	47.13	80	38.403	139	33.10	67
20	15.679	157	36.99	164	48.319	153	72.96	124	58.490	115	46.33	108	38.264	109	32.43	92
30	15.522	118	35.35	198	48.166	97	71.72	141	58.375	80	45.25	134	38.155	73	31.51	114
Mai 10	15.404	73	33.37	228	48.069	36	70.31	153	58.295	40	43.91	157	38.082	34	30.37	135
20	15.331	25	31.09	253	48.033	29	68.78	160	58.255	2	42.34	176	38.048	8	29.02	154
30	15.306	22	28.56	271	48.062	92	67.18	160	58.257	44	40.58	193	38.056	49	27.48	168
Juni 9	15.328	70	25.85	283	48.154	155	65.58	156	58.301	86	38.65	204	38.105	90	25.80	179
19	15.398	116	23.02	287	48.309	214	64.02	147	58.387	125	36.61	211	38.195	129	24.01	185
29	15.514	160	20.15	284	48.523	268	62.55	135	58.512	162	34.50	210	38.324	164	22.16	187
Juli 9	15.674	198	17.31	272	48.791	314	61.20	120	58.674	194	32.40	205	38.488	196	20.29	182
19	15.872	232	14.59	251	49.105	354	60.00	103	58.868	222	30.35	191	38.684	224	18.47	171
29	16.104	262	12.08	224	49.459	388	58.97	84	59.090	246	28.44	173	38.908	246	16.76	155
Aug. 8	16.366	286	9.84	187	49.847	414	58.13	65	59.336	264	26.71	147	39.154	264	15.21	132
18	16.652	305	7.97	145	50.261	434	57.48	44	59.600	280	25.24	115	39.418	278	13.89	105
28	16.957	317	6.52	96	50.695	446	57.04	24	59.880	289	24.09	80	39.696	287	12.84	73
Sept. 7	17.274	323	5.56	42	51.141	454	56.80	4	60.169	294	23.29	39	39.983	293	12.11	36
17	17.597	324	5.14	13	51.595	456	56.76	16	60.463	296	22.90	4	40.276	294	11.75	2
27	17.921	319	5.27	70	52.051	450	56.92	36	60.759	293	22.94	46	40.570	291	11.77	41
Okt. 7	18.240	307	5.97	125	52.501	441	57.28	56	61.052	286	23.40	89	40.861	284	12.18	78
17	18.547	291	7.22	175	52.942	423	57.84	75	61.338	274	24.29	128	41.145	274	12.96	114
27	18.838	267	8.97	220	53.365	400	58.59	94	61.612	257	25.57	163	41.419	257	14.10	145
Nov. 6	19.105	237	11.17	257	53.765	368	59.53	112	61.869	235	27.20	190	41.676	237	15.55	170
16	19.342	201	13.74	285	54.133	328	60.65	128	62.104	208	29.10	212	41.913	210	17.25	189
26	19.543	160	16.59	303	54.461	280	61.93	142	62.312	175	31.22	225	42.123	179	19.14	200
Dez. 6	19.703	115	19.62	309	54.741	224	63.35	153	62.487	137	33.47	231	42.302	142	21.14	204
16	16 19.818	64	22.71	306	17 54.965	161	64.88	159	18 62.624	95	35.78	227	18 42.444	101	23.18	200
25	19.882	13	25.77	292	55.126	93	66.47	160	62.719	51	38.05	216	42.545	57	25.18	192
35	19.895		28.69		55.219		68.07		62.770		40.21		42.602		27.10	
Mittl. Ort	15.473		30.48		47.156		58.06		57.858		43.10		37.552		30.40	
sec δ, tg δ	1.208		−0.677		1.549		+1.183		1.035		−0.265		1.014		−0.171	
a, *a′*	+2.2		+2.0		+4.6		+1.7		+2.7		+1.4		+2.8		+1.3	
b, *b′*	0.00		−1.00		+0.01		−1.00		0.00		−1.00		0.00		−1.00	

Scheinbare Sternörter 1934

Tag	224) α Orionis AR.		224) α Orionis Dekl.		225) δ Aurigae AR.		225) δ Aurigae Dekl.	
1934	$5^h 51^m$		$+7° 23'$		$5^h 54^m$		$+54° 16'$	
	s		"		s		"	
Jan. 0	37.941	53	52.73	90	8.900	71	64.07	184
10	37.994	6	51.83	79	8.971	7	65.91	176
20	38.000	39	51.04	67	8.964	83	67.67	162
30	37.961	81	50.37	55	8.881	152	69.29	140
Feb. 9	37.880	116	49.82	42	8.729	212	70.69	112
19	37.764	144	49.40	32	8.517	257	71.81	79
März 1	37.620	162	49.08	21	8.260	286	72.60	43
11	37.458	169	48.87	10	7.974	300	73.03	5
21	37.289	166	48.77	0	7.674	294	73.08	33
31	37.123	153	48.77	10	7.380	274	72.75	68
Apr. 10	36.970	131	48.87	21	7.106	237	72.07	102
20	36.839	101	49.08	32	6.869	188	71.05	129
30	36.738	65	49.40	44	6.681	130	69.76	152
Mai 10	36.673	26	49.84	55	6.551	65	68.24	168
20	36.647	16	50.39	66	6.486	5	66.56	179
30	36.663	59	51.05	77	6.491	75	64.77	183
Juni 9	36.722	99	51.82	85	6.566	143	62.94	183
19	36.821	137	52.67	92	6.709	208	61.11	177
29	36.958	173	53.59	96	6.917	268	59.34	166
Juli 9	37.131	203	54.55	96	7.185	322	57.68	152
19	37.334	231	55.51	94	7.507	369	56.16	135
29	37.565	252	56.45	86	7.876	409	54.81	116
Aug. 8	37.817	271	57.31	76	8.285	440	53.65	94
18	38.088	283	58.07	61	8.725	466	52.71	73
28	38.371	293	58.68	43	9.191	483	51.98	49
Sept. 7	38.664	299	59.11	22	9.674	495	51.49	26
17	38.963	301	59.33	0	10.169	500	51.23	2
27	39.264	300	59.33	22	10.669	498	51.21	22
Okt. 7	39.564	295	59.11	45	11.167	489	51.43	46
17	39.859	286	58.66	66	11.656	474	51.89	70
27	40.145	272	58.00	83	12.130	449	52.59	94
Nov. 6	40.417	253	57.17	96	12.579	417	53.53	117
16	40.670	229	56.21	105	12.996	374	54.70	137
26	40.899	200	55.16	110	13.370	322	56.07	155
Dez. 6	41.099	164	54.06	110	13.692	261	57.62	170
16	$_{20}$41.263	123	52.96	105	$_{20}$13.953	192	59.32	180
25	41.386	80	51.91	98	14.145	116	61.12	183
35	41.466		50.93		14.261		62.95	
Mittl. Ort	35.890		46.78		5.551		55.07	
sec δ, tg δ	1.008		+0.130		1.713		+1.391	
a, *a'*	+3.2		+0.7		+4.9		+0.5	
b, *b'*	0.00		−1.00		0.00		−1.00	

Tag	227) β Aurigae AR.		227) β Aurigae Dekl.		228) ϑ Aurigae AR.		228) ϑ Aurigae Dekl.	
1934	$5^h 54^m$		$+44° 56'$		$5^h 55^m$		$+37° 12'$	
	s		"		s		"	
Jan. 0	44.101	73	42.05	133	15.814	72	42.97	88
10	44.174	7	43.38	130	15.886	13	43.85	88
20	44.181	57	44.68	119	15.899	44	44.73	82
30	44.124	115	45.87	104	15.855	96	45.55	72
Feb. 9	44.009	165	46.91	84	15.759	142	46.27	58
19	43.844	204	47.75	59	15.617	176	46.85	42
März 1	43.640	229	48.34	32	15.441	200	47.27	21
11	43.411	240	48.66	3	15.241	209	47.48	0
21	43.171	237	48.69	26	15.032	206	47.48	21
31	42.934	219	48.43	53	14.826	191	47.27	40
Apr. 10	42.715	188	47.90	78	14.635	163	46.87	58
20	42.527	147	47.12	99	14.472	127	46.29	73
30	42.380	98	46.13	115	14.345	82	45.56	84
Mai 10	42.282	44	44.98	127	14.263	34	44.72	91
20	42.238	15	43.71	134	14.229	18	43.81	94
30	42.253	72	42.37	135	14.247	70	42.87	93
Juni 9	42.325	130	41.02	133	14.317	121	41.94	90
19	42.455	183	39.69	127	14.438	169	41.04	84
29	42.638	232	38.42	118	14.607	213	40.20	75
Juli 9	42.870	277	37.24	106	14.820	251	39.45	67
19	43.147	314	36.18	93	15.071	285	38.78	57
29	43.461	346	35.25	79	15.356	313	38.21	46
Aug. 8	43.807	372	34.46	64	15.669	335	37.75	37
18	44.179	392	33.82	48	16.004	352	37.38	27
28	44.571	406	33.34	33	16.356	365	37.11	19
Sept. 7	44.977	415	33.01	17	16.721	373	36.92	10
17	45.392	419	32.84	2	17.094	376	36.82	3
27	45.811	417	32.82	13	17.470	375	36.79	5
Okt. 7	46.228	411	32.95	29	17.845	369	36.84	13
17	46.639	399	33.24	44	18.214	359	36.97	22
27	47.038	380	33.68	61	18.573	343	37.19	31
Nov. 6	47.418	355	34.29	77	18.916	321	37.50	41
16	47.773	320	35.06	92	19.237	291	37.91	52
26	48.093	278	35.98	106	19.528	254	38.43	62
Dez. 6	48.371	229	37.04	118	19.782	211	39.05	72
16	$_{20}$48.600	171	38.22	126	$_{20}$19.993	160	39.77	79
25	48.771	110	39.48	131	20.153	104	40.56	85
35	48.881		40.79		20.257		41.41	
Mittl. Ort	41.262		33.67		13.250		35.13	
sec δ, tg δ	1.413		+0.998		1.256		+0.759	
a, *a'*	+4.4		+0.5		+4.1		+0.4	
b, *b'*	0.00		−1.00		0.00		−1.00	

Tag	229) η Columbae AR.	Diff.	229) η Columbae Dekl.	Diff.	232) ν Orionis AR.	Diff.	232) ν Orionis Dekl.	Diff.
1934	$5^h\ 57^m$		$-42°\ 48'$		$6^h\ 3^m$		$+14°\ 46'$	
Jan. 0	9.823	19	62.30	314	50.378	70	45.96	49
10	9.804	77	65.44	288	50.448	20	45.47	40
20	9.727	132	68.32	255	50.468	27	45.07	31
30	9.595	181	70.87	215	50.441	72	44.76	24
Feb. 9	9.414	221	73.02	170	50.369	110	44.52	18
19	9.193	253	74.72	124	50.259	140	44.34	12
März 1	8.940	274	75.96	74	50.119	161	44.22	9
11	8.666	283	76.70	24	49.958	171	44.13	6
21	8.383	279	76.94	24	49.787	169	44.07	4
31	8.104	265	76.70	73	49.618	158	44.03	1
Apr. 10	7.839	242	75.97	117	49.460	137	44.02	3
20	7.597	208	74.80	161	49.323	108	44.05	7
30	7.389	168	73.19	199	49.215	72	44.12	12
Mai 10	7.221	122	71.20	234	49.143	33	44.24	18
20	7.099	72	68.86	262	49.110	9	44.42	26
30	7.027	20	66.24	284	49.119	52	44.68	32
Juni 9	7.007	33	63.40	299	49.171	94	45.00	39
19	7.040	84	60.41	307	49.265	133	45.39	45
29	7.124	133	57.34	305	49.398	169	45.84	50
Juli 9	7.257	180	54.29	295	49.567	202	46.34	51
19	7.437	222	51.34	276	49.769	230	46.85	52
29	7.659	259	48.58	248	49.999	253	47.37	49
Aug. 8	7.918	290	46.10	211	50.252	272	47.86	42
18	8.208	317	43.99	168	50.524	288	48.28	34
28	8.525	335	42.31	116	50.812	299	48.62	22
Sept. 7	8.860	349	41.15	59	51.111	306	48.84	9
17	9.209	355	40.56	0	51.417	311	48.93	7
27	9.564	352	40.56	61	51.728	311	48.86	22
Okt. 7	9.916	344	41.17	121	52.039	308	48.64	37
17	10.260	327	42.38	177	52.347	301	48.27	50
27	10.587	303	44.15	228	52.648	289	47.77	61
Nov. 6	10.890	270	46.43	271	52.937	272	47.16	68
16	11.160	231	49.14	305	53.209	248	46.48	72
26	11.391	184	52.19	327	53.457	219	45.76	73
Dez. 6	11.575	132	55.46	339	53.676	184	45.03	70
16	[21] 11.707	76	58.85	339	[23] 53.860	143	44.33	64
25	11.783	17	62.24	328	54.003	96	43.69	56
35	11.800		65.52		54.099		43.13	
Mittl. Ort	7.589		65.63		48.237		39.99	
sec δ, tg δ	1.363		−0.927		1.034		+0.264	
a, *a′*	+1.8		+0.3		+3.4		−0.3	
b, *b′*	0.00		−1.00		0.00		−1.00	

Tag	236) η Geminorum AR.	Diff.	236) η Geminorum Dekl.	Diff.	234) 22 H. Camelop. AR.	Diff.	234) 22 H. Camelop. Dekl.	Diff.
1934	$6^h\ 10^m$		$+22°\ 31'$		$6^h\ 11^m$		$+69°\ 20'$	
Jan. 0	55.909	82	45.46	3	39.99	11	54.30	257
10	55.991	30	45.43	4	40.10	3	56.87	248
20	56.021	21	45.47	9	40.07	15	59.35	231
30	56.000	69	45.56	12	39.92	26	61.66	205
Feb. 9	55.931	110	45.68	12	39.66	36	63.71	170
19	55.821	143	45.80	10	39.30	44	65.41	128
März 1	55.678	165	45.90	7	38.86	50	66.69	81
11	55.513	177	45.97	1	38.36	52	67.50	32
21	55.336	177	45.98	4	37.84	53	67.82	18
31	55.159	167	45.94	10	37.31	50	67.64	68
Apr. 10	54.992	146	45.84	14	36.81	45	66.96	114
20	54.846	116	45.70	17	36.36	38	65.82	154
30	54.730	79	45.53	19	35.98	30	64.28	189
Mai 10	54.651	39	45.34	18	35.68	19	62.39	216
20	54.612	5	45.16	15	35.49	9	60.23	236
30	54.617	49	45.01	12	35.40	2	57.87	249
Juni 9	54.666	92	44.89	8	35.42	14	55.38	254
19	54.758	134	44.81	3	35.56	24	52.84	253
29	54.892	172	44.78	1	35.80	34	50.31	245
Juli 9	55.064	206	44.79	6	36.14	44	47.86	230
19	55.270	235	44.85	8	36.58	52	45.56	212
29	55.505	261	44.93	8	37.10	59	43.44	188
Aug. 8	55.766	282	45.01	8	37.69	66	41.56	162
18	56.048	298	45.09	5	38.35	71	39.94	132
28	56.346	311	45.14	0	39.06	75	38.62	100
Sept. 7	56.657	320	45.14	7	39.81	78	37.62	66
17	56.977	325	45.07	14	40.59	79	36.96	31
27	57.302	327	44.93	21	41.38	79	36.65	6
Okt. 7	57.629	326	44.72	28	42.17	79	36.71	42
17	57.955	318	44.44	33	42.96	76	37.13	80
27	58.273	308	44.11	37	43.72	73	37.93	115
Nov. 6	58.581	290	43.74	38	44.45	68	39.08	150
16	58.871	268	43.36	36	45.13	60	40.58	182
26	59.139	237	43.00	32	45.73	52	42.40	210
Dez. 6	59.376	200	42.68	25	46.25	42	44.50	231
16	[24] 59.576	158	42.43	18	[25] 46.67	30	46.81	247
25	59.734	111	42.25	10	46.97	18	49.28	255
35	59.845		42.15		47.15		51.83	
Mittl. Ort	53.647		39.43		34.66		46.30	
sec δ, tg δ	1.083		+0.415		2.835		+2.653	
a, *a′*	+3.6		−1.0		+6.6		−1.0	
b, *b′*	0.00		−1.00		−0.01		−1.00	

Scheinbare Sternörter 1934

Tag	240) ζ Canis maj. AR.		240) ζ Canis maj. Dekl.		241) μ Geminorum AR.		241) μ Geminorum Dekl.		243) β Canis maj. AR.		243) β Canis maj. Dekl.		242) ψ¹ Aurigae AR.		242) ψ¹ Aurigae Dekl.	
1934	$6^h 17^m$		$-30° 1'$		$6^h 18^m$		$+22° 32'$		$6^h 19^m$		$-17° 55'$		$6^h 19^m$		$+49° 19'$	
	s		"		s		"		s		"		s		"	
Jan. 0	48.772	35	54.32	286	60.383	90	62.59	5	49.556	54	14.37	235	52.179	109	31.90	156
10	48.807	18	57.18	265	60.473	38	62.54	3	49.610	6	16.72	217	52.288	37	33.46	156
20	48.789	68	59.83	237	60.511	14	62.57	9	49.616	42	18.89	193	52.325	35	35.02	150
30	48.721	115	62.20	203	60.497	62	62.66	13	49.574	87	20.82	165	52.290	102	36.52	135
Feb. 9	48.606	155	64.23	166	60.435	104	62.79	14	49.487	125	22.47	134	52.188	160	37.87	116
19	48.451	186	65.89	127	60.331	138	62.93	12	49.362	156	23.81	101	52.028	208	39.03	91
März 1	48.265	209	67.16	84	60.193	163	63.05	10	49.206	177	24.82	68	51.820	242	39.94	61
11	48.056	221	68.00	42	60.030	176	63.15	4	49.029	189	25.50	34	51.578	260	40.55	29
21	47.835	222	68.42	1	59.854	177	63.19	1	48.840	191	25.84	0	51.318	263	40.84	4
31	47.613	213	68.41	42	59.677	169	63.18	7	48.649	182	25.84	32	51.055	251	40.80	37
Apr. 10	47.400	194	67.99	82	59.508	148	63.11	12	48.467	164	25.52	65	50.804	223	40.43	67
20	47.206	168	67.17	120	59.360	120	62.99	15	48.303	139	24.87	95	50.581	185	39.76	95
30	47.038	135	65.97	156	59.240	85	62.84	18	48.164	108	23.92	124	50.396	138	38.81	118
Mai 10	46.903	95	64.41	187	59.155	44	62.66	17	48.056	71	22.68	149	50.258	82	37.63	135
20	46.808	54	62.54	214	59.111	3	62.49	16	47.985	32	21.19	172	50.176	22	36.28	149
30	46.754	10	60.40	236	59.108	42	62.33	14	47.953	8	19.47	190	50.154	39	34.79	158
Juni 9	46.744	34	58.04	253	59.150	85	62.19	10	47.961	50	17.57	205	50.193	99	33.21	160
19	46.778	78	55.51	262	59.235	126	62.09	6	48.011	89	15.52	213	50.292	158	31.61	159
29	46.856	119	52.89	265	59.361	164	62.03	2	48.100	126	13.39	216	50.450	212	30.02	154
Juli 9	46.975	158	50.24	259	59.525	199	62.01	2	48.226	161	11.23	212	50.662	263	28.48	146
19	47.133	193	47.65	245	59.724	228	62.03	3	48.387	192	9.11	201	50.925	306	27.02	134
29	47.326	224	45.20	223	59.952	255	62.06	3	48.579	220	7.10	183	51.231	345	25.68	121
Aug. 8	47.550	252	42.97	194	60.207	277	62.09	2	48.799	242	5.27	159	51.576	377	24.47	106
18	47.802	275	41.03	157	60.484	294	62.11	1	49.041	263	3.68	128	51.953	403	23.41	90
28	48.077	293	39.46	113	60.778	308	62.10	7	49.304	278	2.40	91	52.356	424	22.51	72
Sept. 7	48.370	306	38.33	64	61.086	318	62.03	13	49.582	290	1.49	50	52.780	439	21.79	55
17	48.676	314	37.69	12	61.404	324	61.90	20	49.872	297	0.99	6	53.219	449	21.24	35
27	48.990	318	37.57	42	61.728	328	61.70	27	50.169	300	0.93	40	53.668	453	20.89	17
Okt. 7	49.308	315	37.99	97	62.056	328	61.43	35	50.469	299	1.33	85	54.121	452	20.72	4
17	49.623	306	38.96	148	62.384	322	61.08	39	50.768	293	2.18	128	54.573	443	20.76	25
27	49.929	291	40.44	195	62.706	312	60.69	43	51.061	280	3.46	168	55.016	428	21.01	47
Nov. 6	50.220	269	42.39	235	63.018	296	60.26	44	51.341	262	5.14	201	55.444	405	21.48	69
16	50.489	240	44.74	267	63.314	274	59.82	41	51.603	239	7.15	226	55.849	371	22.17	90
26	50.729	205	47.41	289	63.588	245	59.41	36	51.842	207	9.41	244	56.220	328	23.07	109
Dez. 6	50.934	163	50.30	302	63.833	209	59.05	30	52.049	171	11.85	253	56.548	277	24.16	128
16	51.097	116	53.32	304	64.042	166	58.75	21	52.220	129	14.38	254	56.825	217	25.44	142
26	51.213	66	56.36	297	64.208	119	58.54	12	52.349	82	16.92	245	57.042	150	26.86	151
35	[26]51.279		59.33		[26]64.327		58.42		[27]52.431		19.37		[27]57.192		28.37	
Mittl. Ort	46.723		58.59		58.108		57.00		47.565		18.85		49.045		25.43	
sec δ, tg δ	1.155		—0.578		1.083		+0.415		1.051		—0.323		1.534		+1.164	
a, *a'*	+2.3		—1.6		+3.6		—1.7		+2.6		—1.7		+4.6		—1.7	
b, *b'*	0.00		—1.00		0.00		—1.00		0.00		—1.00		—0.01		—1.00	

Tag	244) 8 Monocerotis AR.		Dekl.		245) α Argus AR.		Dekl.		246) 10 Monocerotis AR.		Dekl.		247) 8 Lyncis AR.		Dekl.	
1934	$6^h 20^m$		+4° 37′		$6^h 22^m$		−52° 39′		$6^h 24^m$		−4° 42′		$6^h 31^m$		+61° 32′	
Jan. 0	18.328	78	44.92	114	31.602	18	28.24	349	44.036	74	67.20	169	43.98	14	35.72	218
10	18.406	30	43.78	102	31.584	88	31.73	327	44.110	26	68.89	154	44.12	4	37.90	218
20	18.436	18	42.76	86	31.496	157	35.00	295	44.136	21	70.43	135	44.16	5	40.08	208
30	18.418	62	41.90	71	31.339	217	37.95	257	44.115	66	71.78	114	44.11	15	42.16	190
Feb. 9	18.356	101	41.19	55	31.122	269	40.52	212	44.049	104	72.92	92	43.96	22	44.06	165
19	18.255	132	40.64	41	30.853	310	42.64	164	43.945	135	73.84	68	43.74	29	45.71	132
März 1	18.123	155	40.23	26	30.543	340	44.28	113	43.810	158	74.52	46	43.45	34	47.03	93
11	17.968	167	39.97	13	30.203	355	45.41	61	43.652	171	74.98	24	43.11	37	47.96	50
21	17.801	168	39.84	0	29.848	358	46.02	8	43.481	172	75.22	1	42.74	38	48.46	6
31	17.633	160	39.84	13	29.490	348	46.10	42	43.309	166	75.23	21	42.36	37	48.52	37
Apr. 10	17.473	142	39.97	26	29.142	326	45.68	94	43.143	148	75.02	41	41.99	33	48.15	78
20	17.331	116	40.23	38	28.816	293	44.74	141	42.995	124	74.61	62	41.66	29	47.37	117
30	17.215	84	40.61	50	28.523	252	43.33	184	42.871	93	73.99	81	41.37	23	46.20	150
Mai 10	17.131	48	41.11	63	28.271	203	41.49	223	42.778	57	73.18	100	41.14	15	44.70	177
20	17.083	9	41.74	73	28.068	149	39.26	258	42.721	20	72.18	116	40.99	8	42.93	199
30	17.074	31	42.47	84	27.919	91	36.68	285	42.701	20	71.02	129	40.91	0	40.94	213
Juni 9	17.105	71	43.31	92	27.828	30	33.83	305	42.721	59	69.73	140	40.91	8	38.81	222
19	17.176	109	44.23	99	27.798	32	30.78	317	42.780	97	68.33	148	40.99	16	36.59	224
29	17.285	144	45.22	101	27.830	91	27.61	321	42.877	132	66.85	150	41.15	24	34.35	221
Juli 9	17.429	176	46.23	101	27.921	150	24.40	314	43.009	165	65.35	148	41.39	31	32.14	212
19	17.605	205	47.24	97	28.071	205	21.26	300	43.174	194	63.87	142	41.70	37	30.02	199
29	17.810	229	48.21	88	28.276	255	18.26	273	43.368	219	62.45	129	42.07	43	28.03	183
Aug. 8	18.039	251	49.09	75	28.531	300	15.53	239	43.587	241	61.16	112	42.50	48	26.20	163
18	18.290	267	49.84	60	28.831	338	13.14	196	43.828	259	60.04	89	42.98	51	24.57	140
28	18.557	280	50.44	39	29.169	370	11.18	145	44.087	274	59.15	61	43.49	55	23.17	115
Sept. 7	18.837	291	50.83	16	29.539	394	9.73	88	44.361	285	58.54	31	44.04	58	22.02	88
17	19.128	297	50.99	9	29.933	408	8.85	26	44.646	292	58.23	3	44.62	59	21.14	59
27	19.425	300	50.90	35	30.341	412	8.59	38	44.938	296	58.26	37	45.21	60	20.55	29
Okt. 7	19.725	299	50.55	60	30.753	408	8.97	103	45.234	296	58.63	72	45.81	61	20.26	2
17	20.024	295	49.95	82	31.161	393	10.00	164	45.530	291	59.35	104	46.42	59	20.28	33
27	20.319	286	49.13	104	31.554	367	11.64	221	45.821	282	60.39	132	47.01	57	20.61	66
Nov. 6	20.605	270	48.09	119	31.921	331	13.85	271	46.103	267	61.71	156	47.58	54	21.27	98
16	20.875	249	46.90	129	32.252	284	16.56	311	46.370	245	63.27	173	48.12	50	22.25	129
26	21.124	222	45.61	136	32.536	229	19.67	341	46.615	218	65.00	185	48.62	44	23.54	157
Dez. 6	21.346	188	44.25	137	32.765	167	23.08	359	46.833	184	66.85	189	49.06	37	25.11	182
16	21.534	148	42.88	132	32.932	99	26.67	365	47.017	145	68.74	188	49.43	29	26.93	200
26	21.682	105	41.56	123	33.031	26	30.32	360	47.162	100	70.62	178	49.72	19	28.93	212
35	[27] 21.787		40.33		[27] 33.057		33.92		[28] 47.262		72.40		[30] 49.91		31.05	
Mittl. Ort	16.270		39.95		29.128		32.62		42.031		71.87		39.81		30.02	
sec δ, tg δ	1.003		+0.081		1.649		−1.311		1.003		−0.083		2.099		+1.845	
a, a′	+3.2		−1.8		+1.3		−2.0		+3.0		−2.2		+5.5		−2.8	
b, b′	0.00		−1.00		+0.01		−1.00		0.00		−0.99		−0.02		−0.99	

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Tag	249) ξ² Canis maj. AR.		249) ξ² Canis maj. Dekl.		251) γ Geminorum AR.		251) γ Geminorum Dekl.		250) 51 Aurigae AR.		250) 51 Aurigae Dekl.		248) 23 H. Camelop. AR.		248) 23 H. Camelop. Dekl.	
1934	$6^h 32^m$		$-22° 54'$		$6^h 33^m$		$+16° 27'$		$6^h 34^m$		$+39° 26'$		$6^h 35^m$		$+79° 38'$	
Jan. 0	19.383	61	36.42	263	56.192	101	30.48	47	7.963	119	68.11	96	10.48	23	31.52	293
10	19.444	11	39.05	245	56.293	49	30.01	35	8.082	58	69.07	101	10.71	2	34.45	289
20	19.455	40	41.50	221	56.342	0	29.66	25	8.140	5	70.08	103	10.69	26	37.34	275
30	19.415	85	43.71	190	56.342	49	29.41	16	8.135	64	71.11	97	10.43	49	40.09	250
Feb. 9	19.330	127	45.61	157	56.293	91	29.25	8	8.071	117	72.08	87	9.94	70	42.59	214
19	19.203	159	47.18	123	56.202	126	29.17	3	7.954	159	72.95	72	9.24	86	44.73	170
März 1	19.044	184	48.41	85	56.076	152	29.14	0	7.795	192	73.67	53	8.38	99	46.43	120
11	18.860	197	49.26	48	55.924	167	29.14	3	7.603	211	74.20	32	7.39	107	47.63	65
21	18.663	201	49.74	10	55.757	171	29.17	3	7.392	216	74.52	8	6.32	109	48.28	8
31	18.462	194	49.84	26	55.586	165	29.20	4	7.176	208	74.60	15	5.23	107	48.36	49
Apr. 10	18.268	178	49.58	63	55.421	148	29.24	5	6.968	189	74.45	37	4.16	99	47.87	102
20	18.090	155	48.95	96	55.273	123	29.29	5	6.779	158	74.08	57	3.17	89	46.85	152
30	17.935	125	47.99	128	55.150	92	29.34	8	6.621	119	73.51	75	2.28	74	45.33	196
Mai 10	17.810	89	46.71	157	55.058	54	29.42	10	6.502	74	72.76	88	1.54	57	43.37	232
20	17.721	50	45.14	183	55.004	15	29.52	14	6.428	24	71.88	99	0.97	37	41.05	261
30	17.671	10	43.31	204	54.989	26	29.66	19	6.404	26	70.89	105	0.60	17	38.44	281
Juni 9	17.661	31	41.27	220	55.015	67	29.85	22	6.430	77	69.84	109	0.43	5	35.63	294
19	17.692	72	39.07	229	55.082	106	30.07	26	6.507	126	68.75	108	0.48	25	32.69	298
29	17.764	111	36.78	234	55.188	143	30.33	29	6.633	172	67.67	106	0.73	46	29.71	294
Juli 9	17.875	146	34.44	231	55.331	176	30.62	29	6.805	214	66.61	102	1.19	65	26.77	285
19	18.021	180	32.13	220	55.507	207	30.91	29	7.019	252	65.59	96	1.84	83	23.92	268
29	18.201	210	29.93	202	55.714	233	31.20	25	7.271	285	64.63	89	2.67	99	21.24	245
Aug. 8	18.411	236	27.91	176	55.947	255	31.45	20	7.556	313	63.74	81	3.66	114	18.79	219
18	18.647	258	26.15	144	56.202	274	31.65	11	7.869	337	62.93	73	4.80	125	16.60	187
28	18.905	276	24.71	105	56.476	289	31.76	1	8.206	356	62.20	64	6.05	136	14.73	151
Sept. 7	19.181	291	23.66	61	56.765	301	31.77	12	8.562	371	61.56	56	7.41	142	13.22	114
17	19.472	301	23.05	14	57.066	310	31.65	25	8.933	381	61.00	48	8.83	148	12.08	73
27	19.773	306	22.91	35	57.376	315	31.40	39	9.314	388	60.52	37	10.31	151	11.35	30
Okt. 7	20.079	306	23.26	85	57.691	317	31.01	52	9.702	390	60.15	27	11.82	150	11.05	14
17	20.385	302	24.11	132	58.008	315	30.49	64	10.092	386	59.88	14	13.32	147	11.19	59
27	20.687	291	25.43	176	58.323	307	29.85	73	10.478	377	59.74	1	14.79	141	11.78	103
Nov. 6	20.978	274	27.19	213	58.630	294	29.12	78	10.855	359	59.73	14	16.20	131	12.81	146
16	21.252	249	29.32	243	58.924	274	28.34	80	11.214	335	59.87	30	17.51	118	14.27	186
26	21.501	219	31.75	264	59.198	248	27.54	78	11.549	302	60.17	47	18.69	102	16.13	221
Dez. 6	21.720	181	34.39	276	59.446	214	26.76	73	11.851	260	60.64	62	19.71	83	18.34	252
16	21.901	138	37.15	280	59.660	174	26.03	65	12.111	210	61.26	77	20.54	62	20.86	275
26	22.039	90	39.95	272	59.834	128	25.38	55	12.321	154	62.03	89	21.16	37	23.61	286
35	30 22.129		42.67		30 59.962		24.83		30 12.475		62.92		31 21.53		26.47	
Mittl. Ort	17.384		40.98		53.999		25.81		5.240		63.11		0.31		25.73	
sec δ, tg δ	1.086		—0.423		1.043		+0.295		1.295		+0.823		5.561		+5.470	
a, *a'*	+2.5		—2.8		+3.5		—3.0		+4.2		—3.0		+10.3		—3.0	
b, *b'*	0.00		—0.99		0.00		—0.99		—0.01		—0.99		—0.06		—0.99	

Tag	252) ν Argus AR.		252) ν Argus Dekl.		253) S Monocerotis AR.		253) S Monocerotis Dekl.		254) ε Geminorum AR.		254) ε Geminorum Dekl.		256) ξ Geminorum AR.		256) ξ Geminorum Dekl.	
1934	6h 35m		−43° 7′		6h 37m		+9° 57′		6h 39m		+25° 11′		6h 41m		+12° 58′	
Jan. 0*)	46.679 s	31	69.84″	336	° 22.765 s	99	34.31″	87	1 54.734 s	114	57.78″	7	1 37.311 s	105	9.85″	71
10	46.710	31	73.20	316	22.864	49	33.44	75	54.848	60	57.85	16	37.416	55	9.14	58
20	46.679	91	76.36	288	22.913	0	32.69	61	54.908	6	58.01	25	37.471	5	8.56	46
30	46.588	145	79.24	253	22.913	47	32.08	48	54.914	46	58.26	28	37.476	43	8.10	34
Feb. 9	46.443	193	81.77	213	22.866	88	31.60	36	54.868	91	58.54	31	37.433	85	7.76	23
19	46.250	232	83.90	167	22.778	123	31.24	24	54.777	130	58.85	28	37.348	121	7.53	14
März 1	46.018	259	85.57	121	22.655	148	31.00	15	54.647	158	59.13	24	37.227	148	7.39	8
11	45.759	276	86.78	72	22.507	163	30.85	6	54.489	175	59.37	17	37.079	163	7.31	1
21	45.483	281	87.50	23	22.344	168	30.79	2	54.314	181	59.54	8	36.916	169	7.30	3
31	45.202	275	87.73	26	22.176	162	30.81	9	54.133	175	59.62	0	36.747	164	7.33	7
Apr. 10	44.927	258	87.47	73	22.014	147	30.90	15	53.958	158	59.62	8	36.583	148	7.40	11
20	44.669	232	86.74	119	21.867	123	31.05	24	53.800	133	59.54	16	36.435	126	7.51	16
30	44.437	197	85.55	161	21.744	93	31.29	30	53.667	101	59.38	22	36.309	95	7.67	19
Mai 10	44.240	157	83.94	198	21.651	57	31.59	38	53.566	62	59.16	26	36.214	60	7.86	25
20	44.083	112	81.96	232	21.594	19	31.97	45	53.504	20	58.90	28	36.154	22	8.11	30
30	43.971	64	79.64	259	21.575	20	32.42	52	53.484	22	58.62	29	36.132	18	8.41	35
Juni 9	43.907	13	77.05	280	21.595	59	32.94	58	53.506	66	58.33	29	36.150	57	8.76	40
19	43.894	36	74.25	295	21.654	98	33.52	63	53.572	107	58.04	27	36.207	96	9.16	44
29	43.930	87	71.30	299	21.752	134	34.15	65	53.679	146	57.77	25	36.303	132	9.60	46
Juli 9	44.017	134	68.31	295	21.886	166	34.80	66	53.825	182	57.52	23	36.435	165	10.06	46
19	44.151	178	65.36	284	22.052	196	35.46	62	54.007	215	57.29	22	36.600	195	10.52	44
29	44.329	220	62.52	261	22.248	221	36.08	56	54.222	242	57.07	22	36.795	222	10.96	39
Aug. 8	44.549	257	59.91	231	22.469	244	36.64	47	54.464	267	56.85	23	37.017	244	11.35	31
18	44.806	290	57.60	191	22.713	263	37.11	34	54.731	286	56.62	25	37.261	264	11.66	20
28	45.096	316	55.69	144	22.976	278	37.45	18	55.017	304	56.37	29	37.525	280	11.86	6
Sept. 7	45.412	336	54.25	91	23.254	291	37.63	0	55.321	318	56.08	34	37.805	293	11.92	9
17	45.748	352	53.34	33	23.545	300	37.63	20	55.639	327	55.74	39	38.098	302	11.83	26
27	46.100	359	53.01	28	23.845	305	37.43	41	55.966	334	55.35	43	38.400	309	11.57	43
Okt. 7	46.459	359	53.29	89	24.150	308	37.02	60	56.300	337	54.92	48	38.709	312	11.14	60
17	46.818	351	54.18	149	24.458	306	36.42	78	56.637	335	54.44	49	39.021	311	10.54	76
27	47.169	334	55.67	204	24.764	299	35.64	93	56.972	329	53.95	50	39.332	305	9.78	87
Nov. 6	47.503	309	57.71	252	25.063	286	34.71	106	57.301	315	53.45	48	39.637	293	8.91	96
16	47.812	274	60.23	292	25.349	268	33.65	112	57.616	296	52.97	42	39.930	274	7.95	101
26	48.086	233	63.15	322	25.617	241	32.53	114	57.912	268	52.55	34	40.204	249	6.94	101
Dez. 6	48.319	183	66.37	341	25.858	210	31.39	112	58.180	233	52.21	24	40.453	216	5.93	97
16	48.502	127	69.78	348	26.068	170	30.27	106	58.413	191	51.97	13	40.669	177	4.96	90
26	48.629	68	73.26	345	26.238	125	29.21	97	58.604	143	51.84	2	40.846	132	4.06	80
35	31 48.697		76.71		31 26.363		28.24		32 58.747		51.82		32 40.978		3.26	
Mittl. Ort	44.478		74.68		20.651		29.84		52.390		53.37		35.161		5.55	
sec δ, tg δ	1.370		−0.937		1.015		+0.176		1.105		+0.471		1.026		+0.230	
a, a′	+1.8		−3.1		+3.3		−3.3		+3.7		−3.5		+3.4		−3.6	
b, b′	+0.01		−0.99		0.00		−0.99		−0.01		−0.98		0.00		−0.98	

*) Bei Stern 254) und 256) lies Jan. 1

Scheinbare Sternörter 1934

Tag	257) α Canis maj.[1]				258) 18 Monocerotis			
	AR.	Δ	Dekl.	Δ	AR.	Δ	Dekl.	Δ
1934	$6^h 42^m$		$-16° 37'$		$6^h 44^m$		$+2° 29'$	
Jan. 1	$16^s.348$	74	25″.76	241	$27^s.282$	99	12″.77	135
10	[1] 16.422	24	28.17	223	[2] 27.381	50	11.42	121
20	16.446	25	30.40	200	27.431	2	10.21	104
30	16.421	70	32.40	172	27.433	45	9.17	86
Feb. 9	16.351	111	34.12	143	27.388	86	8.31	68
19	16.240	145	35.55	111	27.302	120	7.63	51
März 1	16.095	169	36.66	79	27.182	146	7.12	34
11	15.926	183	37.45	45	27.036	162	6.78	17
21	15.743	188	37.90	13	26.874	168	6.61	2
31	15.555	182	38.03	19	26.706	162	6.59	12
Apr. 10	15.373	167	37.84	50	26.544	149	6.71	26
20	15.206	145	37.34	79	26.395	127	6.97	40
30	15.061	115	36.55	107	26.268	99	7.37	54
Mai 10	14.946	82	35.48	132	26.169	65	7.91	66
20	14.864	44	34.16	154	26.104	28	8.57	78
30	14.820	5	32.62	174	26.076	10	9.35	88
Juni 9	14.815	35	30.88	187	26.086	48	10.23	97
19	14.850	73	29.01	196	26.134	85	11.20	102
29	14.923	111	27.05	200	26.219	121	12.22	106
Juli 9	15.034	145	25.05	197	26.340	153	13.28	104
19	15.179	176	23.08	188	26.493	182	14.32	100
29	15.355	205	21.20	172	26.675	209	15.32	91
Aug. 8	15.560	229	19.48	150	26.884	232	16.23	77
18	15.789	251	17.98	120	27.116	251	17.00	59
28	16.040	269	16.78	86	27.367	268	17.59	38
Sept. 7	16.309	282	15.92	46	27.635	281	17.97	14
17	16.591	293	15.46	3	27.916	292	18.11	13
27	16.884	299	15.43	41	28.208	298	17.98	41
Okt. 7	17.183	301	15.84	86	28.506	302	17.57	69
17	17.484	297	16.70	128	28.808	300	16.88	94
27	17.781	289	17.98	168	29.108	295	15.94	117
Nov. 6	18.070	274	19.66	200	29.403	283	14.77	135
16	18.344	252	21.66	227	29.686	265	13.42	148
26	18.596	223	23.93	245	29.951	239	11.94	155
Dez. 6	18.819	188	26.38	256	30.190	208	10.39	157
16	19.007	148	28.94	257	30.398	170	8.82	152
26	19.155	102	31.51	250	30.568	126	7.30	144
35	[32] 19.257		34.01		[33] 30.694		5.86	
Mittl. Ort	14.368		30.08		25.234		8.50	
sec δ, tg δ	1.044		−0.299		1.001		+0.043	
a, *a′*	+2.7		−3.7		+3.1		−3.9	
b, *b′*	0.00		−0.98		0.00		−0.98	

Tag	262) α Pictoris				261) ϑ Geminorum			
	AR.	Δ	Dekl.	Δ	AR.	Δ	Dekl.	Δ
1934	$6^h 47^m$		$-61° 51'$		$6^h 48^m$		$+34° 2'$	
Jan. 1	$33^s.79$	1	67″.04	370	$29^s.055$	132	36″.98	60
10	[2] 33.78	11	70.74	354	[3] 29.187	73	37.58	69
20	33.67	20	74.28	327	29.260	13	38.27	74
30	33.47	27	77.55	292	29.273	43	39.01	75
Feb. 9	33.20	34	80.47	251	29.230	94	39.76	71
19	32.86	40	82.98	204	29.136	137	40.47	63
März 1	32.46	44	85.02	154	28.999	170	41.10	50
11	32.02	47	86.56	102	28.829	190	41.60	35
21	31.55	48	87.58	48	28.639	198	41.95	18
31	31.07	47	88.06	5	28.441	194	42.13	1
Apr. 10	30.60	46	88.01	58	28.247	178	42.12	18
20	30.14	42	87.43	109	28.069	152	41.94	35
30	29.72	38	86.34	157	27.917	118	41.59	49
Mai 10	29.34	33	84.77	200	27.799	77	41.10	60
20	29.01	26	82.77	240	27.722	33	40.50	69
30	28.75	20	80.37	272	27.689	13	39.81	76
Juni 9	28.55	12	77.65	297	27.702	59	39.05	79
19	28.43	5	74.68	316	27.761	105	38.26	81
29	28.38	3	71.52	324	27.866	148	37.45	80
Juli 9	28.41	11	68.28	324	28.014	187	36.65	78
19	28.52	18	65.04	314	28.201	223	35.87	75
29	28.70	25	61.90	294	28.424	254	35.12	73
Aug. 8	28.95	32	58.96	263	28.678	282	34.39	69
18	29.27	37	56.33	224	28.960	306	33.70	66
28	29.64	43	54.09	176	29.266	325	33.04	63
Sept. 7	30.07	46	52.33	119	29.591	341	32.41	60
17	30.53	50	51.14	59	29.932	353	31.81	57
27	31.03	50	50.55	7	30.285	363	31.24	52
Okt. 7	31.53	52	50.62	73	30.648	366	30.72	48
17	32.05	49	51.35	138	31.014	367	30.24	40
27	32.54	47	52.73	200	31.381	360	29.84	32
Nov. 6	33.01	43	54.73	255	31.741	347	29.52	20
16	33.44	37	57.28	301	32.088	326	29.32	8
26	33.81	30	60.29	338	32.414	298	29.24	7
Dez. 6	34.11	23	63.67	363	32.712	260	29.31	22
16	34.34	13	67.30	376	32.972	215	29.53	37
26	34.47	5	71.06	377	33.187	163	29.90	51
35	[34] 34.52		74.83		[34] 33.350		30.41	
Mittl. Ort	30.94		72.88		26.491		33.14	
sec δ, tg δ	2.121		−1.871		1.207		+0.676	
a, *a′*	+0.6		−4.1		+4.0		−4.2	
b, *b′*	+0.03		−0.98		−0.01		−0.98	

[1]) Ort des Hauptsterns; die jährliche Parallaxe (0″.38) ist bereits berücksichtigt

Tag	266) ϑ Canis maj. AR.		266) ϑ Canis maj. Dekl.		265) 15 Lyncis AR.		265) 15 Lyncis Dekl.		268) ε Canis maj. AR.		268) ε Canis maj. Dekl.		269) ζ Geminorum AR.		269) ζ Geminorum Dekl.	
1934	$6^h 51^m$		−11° 57′		$5^h 51^m$		+58° 30′		$6^h 56^m$		−28° 52′		$7^h 0^m$		+20° 40′	
Jan. 1	9.392	92	12.48	218	37.973	173	45.50	200	3.874	79	47.28	298	14.038	130	10.63	27
10	[3] 9.484	43	14.66	202	[3] 38.146	84	47.50	204	[3] 3.953	26	50.26	281	[6] 14.168	79	10.36	14
20	9.527	6	16.68	181	38.230	8	49.54	202	3.979	28	53.07	257	14.247	25	10.22	3
30	9.521	53	18.49	156	38.222	94	51.56	189	3.951	77	55.64	228	14.272	27	10.19	6
Feb. 9	9.468	94	20.05	130	38.128	173	53.45	170	3.874	123	57.92	194	14.245	73	10.25	14
19	9.374	129	21.35	102	37.955	239	55.15	141	3.751	159	59.86	156	14.172	112	10.39	17
März 1	9.245	155	22.37	73	37.716	290	56.56	109	3.592	188	61.42	116	14.060	144	10.56	19
11	9.090	172	23.10	44	37.426	323	57.65	71	3.404	206	62.58	76	13.916	163	10.75	17
21	8.918	179	23.54	15	37.103	337	58.36	29	3.198	214	63.34	34	13.753	172	10.92	14
31	8.739	175	23.69	12	36.766	334	58.65	12	2.984	212	63.68	7	13.581	170	11.06	10
Apr. 10	8.564	162	23.57	40	36.432	310	58.53	53	2.772	199	63.61	46	13.411	158	11.16	6
20	8.402	142	23.17	67	36.122	274	58.00	90	2.573	180	63.15	86	13.253	137	11.22	2
30	8.260	115	22.50	91	35.848	223	57.10	124	2.393	151	62.29	121	13.116	108	11.24	2
Mai 10	8.145	82	21.59	113	35.625	163	55.86	153	2.242	119	61.08	155	13.008	73	11.22	4
20	8.063	47	20.46	134	35.462	95	54.33	177	2.123	81	59.53	185	12.935	36	11.18	5
30	8.016	9	19.12	152	35.367	25	52.56	194	2.042	41	57.68	209	12.899	4	11.13	5
Juni 9	8.007	28	17.60	165	35.342	49	50.62	206	2.001	1	55.59	230	12.903	44	11.08	6
19	8.035	66	15.95	174	35.391	121	48.56	212	2.000	41	53.29	243	12.947	84	11.02	5
29	8.101	102	14.21	179	35.512	189	46.44	213	2.041	81	50.86	249	13.031	122	10.97	5
Juli 9	8.203	136	12.42	177	35.701	254	44.31	209	2.122	120	48.37	249	13.153	156	10.92	5
19	8.339	167	10.65	171	35.955	314	42.22	201	2.242	156	45.88	241	13.309	188	10.87	6
29	8.506	195	8.94	157	36.269	368	40.21	189	2.398	190	43.47	224	13.497	217	10.81	10
Aug. 8	8.701	220	7.37	137	36.637	414	38.32	174	2.588	220	41.23	200	13.714	242	10.71	14
18	8.921	242	6.00	110	37.051	455	36.58	155	2.808	247	39.23	167	13.956	263	10.57	20
28	9.163	260	4.90	82	37.506	488	35.03	134	3.055	270	37.56	128	14.219	282	10.37	29
Sept. 7	9.423	275	4.08	46	37.994	516	33.69	111	3.325	290	36.28	82	14.501	299	10.08	38
17	9.698	288	3.62	6	38.510	537	32.58	86	3.615	305	35.46	32	14.800	311	9.70	47
27	9.986	296	3.56	35	39.047	551	31.72	59	3.920	315	35.14	21	15.111	320	9.23	57
Okt. 7	10.282	300	3.91	75	39.598	556	31.13	31	4.235	320	35.35	75	15.431	327	8.66	66
17	10.582	299	4.66	115	40.154	554	30.82	0	4.555	319	36.10	127	15.758	329	8.00	74
27	10.881	294	5.81	150	40.708	542	30.82	31	4.874	311	37.37	176	16.087	326	7.26	77
Nov. 6	11.175	281	7.31	181	41.250	519	31.13	63	5.185	295	39.13	220	16.413	316	6.49	79
16	11.456	263	9.12	205	41.769	483	31.76	95	5.480	273	41.33	255	16.729	300	5.70	77
26	11.719	236	11.17	223	42.252	436	32.71	123	5.753	243	43.88	282	17.029	275	4.93	70
Dez. 6	11.955	203	13.40	231	42.688	377	33.94	151	5.996	204	46.70	300	17.304	244	4.23	62
16	12.158	164	15.71	233	43.065	305	35.45	174	6.200	159	49.70	307	17.548	205	3.61	50
26	12.322	120	18.04	226	43.370	223	37.19	191	6.359	110	52.77	305	17.753	159	3.11	37
35*)	[35] 12.442		20.30		[35] 43.593		39.10		[36] 6.469		55.82		17.912		2.74	
Mittl. Ort	7.415		16.92		34.079		41.86		1.870		52.31		11.772		7.39	
sec δ, tg δ	1.022		−0.212		1.915		+1.633		1.142		−0.552		1.069		+0.377	
a, *a′*	+2.8		−4.4		+5.2		−4.5		+2.4		−4.9		+3.6		−5.2	
b, *b′*	0.00		−0.98		−0.02		−0.97		+0.01		−0.97		−0.01		−0.97	

*) Bei Stern 268) und 269) lies Dez. 36

Tag	271) γ Canis maj. AR.	Diff.	Dekl.	Diff.	273) δ Canis maj. AR.	Diff.	Dekl.	Diff.
1934	7h 0m		−15° 31′		7h 5m		−26° 16′	
Jan. 1	48.352	99	60.03	239	44.394	94	69.35	290
10	6 48.451	49	62.42	224	7 44.488	40	72.25	276
20	48.500	1	64.66	202	44.528	13	75.01	252
30	48.499	49	66.68	177	44.515	63	77.53	224
Feb. 9	48.450	92	68.45	149	44.452	108	79.77	192
19	48.358	128	69.94	119	44.344	146	81.69	156
März 1	48.230	155	71.13	87	44.198	175	83.25	118
11	48.075	174	72.00	55	44.023	195	84.43	80
21	47.901	182	72.55	24	43.828	204	85.23	40
31	47.719	180	72.79	7	43.624	203	85.63	0
Apr. 10	47.539	169	72.72	37	43.421	193	85.63	37
20	47.370	150	72.35	67	43.228	174	85.26	75
30	47.220	124	71.68	94	43.054	149	84.51	110
Mai 10	47.096	93	70.74	119	42.905	117	83.41	142
20	47.003	58	69.55	142	42.788	82	81.99	171
30	46.945	22	68.13	161	42.706	43	80.28	195
Juni 9	46.923	17	66.52	176	42.663	4	78.33	216
19	46.940	54	64.76	188	42.659	35	76.17	229
29	46.994	90	62.88	192	42.694	74	73.88	237
Juli 9	47.084	125	60.96	192	42.768	112	71.51	237
19	47.209	156	59.04	186	42.880	148	69.14	231
29	47.365	186	57.18	171	43.028	180	66.83	215
Aug. 8	47.551	213	55.47	152	43.208	210	64.68	192
18	47.764	236	53.95	124	43.418	238	62.76	162
28	48.000	256	52.71	92	43.656	261	61.14	124
Sept. 7	48.256	274	51.79	55	43.917	281	59.90	81
17	48.530	287	51.24	14	44.198	298	59.09	33
27	48.817	297	51.10	30	44.496	309	58.76	18
Okt. 7	49.114	303	51.40	74	44.805	316	58.94	70
17	49.417	304	52.14	116	45.121	317	59.64	122
27	49.721	299	53.30	156	45.438	311	60.86	168
Nov. 6	50.020	288	54.86	190	45.749	298	62.54	211
16	50.308	269	56.76	217	46.047	278	64.65	247
26	50.577	244	58.93	237	46.325	250	67.12	273
Dez. 6	50.821	211	61.30	249	46.575	214	69.85	291
16	51.032	172	63.79	252	46.789	171	72.76	299
26	51.204	126	66.31	248	46.960	123	75.75	297
36	51.330		68.79		47.083		78.72	
Mittl. Ort	46.388		64.54		42.419		74.41	
sec δ, tg δ	1.038		−0.278		1.115		−0.494	
a, *a′*	+2.7		−5.3		+2.4		−5.7	
b, *b′*	0.00		−0.96		+0.01		−0.96	

Tag	274) 63 Aurigae AR.	Diff.	Dekl.	Diff.	277) λ Geminorum AR.	Diff.	Dekl.	Diff.
1934	7h 7m		+39° 25′		7h 14m		+16° 39′	
Jan. 1	9.922	160	50.47	87	20.292	141	41.81	58
10	7 10.082	98	51.34	99	9 20.433	89	41.23	43
20	10.180	34	52.33	106	20.522	37	40.80	28
30	10.214	29	53.39	107	20.559	13	40.52	16
Feb. 9	10.185	86	54.46	102	20.546	61	40.36	5
19	10.099	134	55.48	92	20.485	101	40.31	4
März 1	9.965	173	56.40	76	20.384	133	40.35	9
11	9.792	199	57.16	57	20.251	155	40.44	13
21	9.593	211	57.73	35	20.096	166	40.57	14
31	9.382	211	58.08	11	19.930	166	40.71	14
Apr. 10	9.171	199	58.19	12	19.764	156	40.85	14
20	8.972	174	58.07	34	19.608	138	40.99	13
30	8.798	142	57.73	56	19.470	113	41.12	13
Mai 10	8.656	102	57.17	73	19.357	80	41.25	12
20	8.554	57	56.44	89	19.277	46	41.37	13
30	8.497	10	55.55	99	19.231	8	41.50	14
Juni 9	8.487	39	54.56	108	19.223	31	41.64	15
19	8.526	87	53.48	114	19.254	68	41.79	15
29	8.613	132	52.34	116	19.322	104	41.94	15
Juli 9	8.745	175	51.18	116	19.426	138	42.09	13
19	8.920	215	50.02	115	19.564	170	42.22	11
29	9.135	250	48.87	113	19.734	198	42.33	5
Aug. 8	9.385	282	47.74	108	19.932	224	42.38	2
18	9.667	309	46.66	103	20.156	246	42.36	11
28	9.976	333	45.63	97	20.402	267	42.25	22
Sept. 7	10.309	354	44.66	91	20.669	284	42.03	36
17	10.663	370	43.75	83	20.953	298	41.67	49
27	11.033	382	42.92	75	21.251	311	41.18	63
Okt. 7	11.415	391	42.17	64	21.562	319	40.55	76
17	11.806	394	41.53	51	21.881	322	39.79	88
27	12.200	390	41.02	36	22.203	322	38.91	97
Nov. 6	12.590	380	40.66	20	22.525	316	37.94	101
16	12.970	361	40.46	1	22.841	300	36.93	102
26	13.331	332	40.45	19	23.141	279	35.91	99
Dez. 6	13.663	295	40.64	40	23.420	250	34.92	92
16	13.958	249	41.04	59	23.670	213	34.00	80
26	14.207	194	41.63	76	23.883	168	33.20	68
36	14.401		42.39		24.051		32.52	
Mittl. Ort	7.172		48.16		18.096		39.18	
sec δ, tg δ	1.295		+0.822		1.044		+0.299	
a, *a′*	+4.1		−5.8		+3.5		−6.4	
b, *b′*	−0.02		−0.96		−0.01		−0.95	

Obere Kulmination Greenwich

Tag	278) π Argus AR.	Diff.	Dekl.	Diff.	279) δ Geminorum AR.	Diff.	Dekl.	Diff.
1934	7ʰ 14ᵐ		−36° 58′		7ʰ 16ᵐ		+22° 6′	
	s		″		s		″	
Jan. 1	50.689	92	35.19	332	13.313	148	22.06	24
10	50.781	33	38.51	319	13.461	96	21.82	9
20	50.814	24	41.70	297	13.557	41	21.73	4
30	50.790	80	44.67	268	13.598	12	21.77	15
Feb. 9	50.710	130	47.35	233	13.586	60	21.92	22
19	50.580	171	49.68	194	13.526	102	22.14	27
März 1	50.409	205	51.62	152	13.424	136	22.41	28
11	50.204	227	53.14	107	13.288	159	22.69	26
21	49.977	239	54.21	62	13.129	171	22.95	22
31	49.738	241	54.83	16	12.958	172	23.17	16
Apr. 10	49.497	231	54.99	28	12.786	161	23.33	10
20	49.266	213	54.71	73	12.625	144	23.43	4
30	49.053	189	53.98	114	12.481	117	23.47	1
Mai 10	48.864	156	52.84	152	12.364	84	23.46	7
20	48.708	119	51.32	187	12.280	48	23.39	10
30	48.589	78	49.45	217	12.232	9	23.29	12
Juni 9	48.511	37	47.28	241	12.223	30	23.17	15
19	48.474	7	44.87	260	12.253	69	23.02	16
29	48.481	51	42.27	270	12.322	107	22.86	17
Juli 9	48.532	93	39.57	273	12.429	142	22.69	20
19	48.625	134	36.84	267	12.571	174	22.49	21
29	48.759	174	34.17	252	12.745	204	22.28	25
Aug. 8	48.933	209	31.65	228	12.949	230	22.03	30
18	49.142	242	29.37	196	13.179	254	21.73	37
28	49.384	272	27.41	156	13.433	276	21.36	44
Sept. 7	49.656	298	25.85	109	13.709	293	20.92	52
17	49.954	317	24.76	55	14.002	308	20.40	61
27	50.271	333	24.21	1	14.310	321	19.79	70
Okt. 7	50.604	342	24.22	59	14.631	329	19.09	77
17	50.946	343	24.81	117	14.960	334	18.32	83
27	51.289	337	25.98	172	15.294	334	17.49	86
Nov. 6	51.626	323	27.70	222	15.628	327	16.63	85
16	51.949	300	29.92	265	15.955	312	15.78	81
26	52.249	268	32.57	298	16.267	290	14.97	74
Dez. 6	52.517	227	35.55	322	16.557	260	14.23	62
16	52.744	179	38.77	335	16.817	222	13.61	49
26	52.923	126	42.12	338	17.039	176	13.12	35
36	53.049		45.50		17.215		12.77	
Mittl. Ort	48.654		41.02		11.026		19.81	
sec δ, tg δ	1.252		−0.753		1.079		+0.406	
a, *a′*	+2.1		−6.4		+3.6		−6.5	
b, *b′*	+0.02		−0.95		−0.01		−0.95	

Tag	281) δ Volantis AR.	Diff.	Dekl.	Diff.	280) 19 Lyncis seq. AR.	Diff.	Dekl.	Diff.
1934	7ʰ 16ᵐ		−67° 49′		7ʰ 17ᵐ		+55° 24′	
	s		″		s		″	
Jan. 1	55.45	2	64.03	383	33.050	209	29.33	175
10	55.47	8	67.86	374	33.259	126	31.08	187
20	55.39	20	71.60	354	33.385	40	32.95	191
30	55.19	31	75.14	326	33.425	43	34.86	187
Feb. 9	54.88	39	78.40	290	33.382	120	36.73	174
19	54.49	47	81.30	247	33.262	187	38.47	154
März 1	54.02	53	83.77	200	33.075	241	40.01	126
11	53.49	57	85.77	151	32.834	278	41.27	93
21	52.92	60	87.28	98	32.556	300	42.20	57
31	52.32	61	88.26	44	32.256	304	42.77	18
Apr. 10	51.71	59	88.70	9	31.952	291	42.95	21
20	51.12	57	88.61	63	31.661	263	42.74	58
30	50.55	53	87.98	113	31.398	223	42.16	92
Mai 10	50.02	47	86.85	160	31.175	174	41.24	124
20	49.55	41	85.25	204	31.001	116	40.00	150
30	49.14	33	83.21	242	30.885	53	38.50	171
Juni 9	48.81	24	80.79	274	30.832	10	36.79	187
19	48.57	16	78.05	298	30.842	74	34.92	198
29	48.41	6	75.07	314	30.916	138	32.94	203
Juli 9	48.35	3	71.93	321	31.054	197	30.91	206
19	48.38	13	68.72	319	31.251	253	28.85	203
29	48.51	23	65.53	305	31.504	304	26.82	196
Aug. 8	48.74	31	62.48	282	31.808	350	24.86	186
18	49.05	39	59.66	248	32.158	391	23.00	173
28	49.44	47	57.18	205	32.549	427	21.27	157
Sept. 7	49.91	53	55.13	154	32.976	457	19.70	139
17	50.44	58	53.59	95	33.433	482	18.31	118
27	51.02	61	52.64	32	33.915	501	17.13	95
Okt. 7	51.63	63	52.32	35	34.416	513	16.18	70
17	52.26	62	52.67	101	34.929	518	15.48	42
27	52.88	60	53.68	166	35.447	515	15.06	12
Nov. 6	53.48	55	55.34	225	35.962	501	14.94	20
16	54.03	49	57.59	278	36.463	475	15.14	51
26	54.52	42	60.37	322	36.938	437	15.65	83
Dez. 6	54.94	32	63.59	354	37.375	388	16.48	114
16	55.26	21	67.13	375	37.763	326	17.62	140
26	55.47	10	70.88	384	38.089	254	19.02	163
36	55.57		74.72		38.343		20.65	
Mittl. Ort	52.26		71.68		29.410		28.27	
sec δ, tg δ	2.651		−2.455		1.761		+1.450	
a, *a′*	0.0		−6.6		+4.9		−6.6	
b, *b′*	+0.05		−0.94		−0.03		−0.94	

Scheinbare Sternörter 1934

Tag	282) ι Geminorum AR.	Δ	282) ι Geminorum Dekl.	Δ	285) β Canis min. AR.	Δ	285) β Canis min. Dekl.	Δ
1934	$7^h 21^m$		+27° 55′		$7^h 23^m$		+8° 25′	
	s		″		s		″	
Jan. 1	40.252	161	52.91	11	36.458	143	28.09	112
11	40.413	105	53.02	26	36.601	92	26.97	96
20	[11] 40.518	48	53.28	38	[12] 36.693	42	26.01	79
30	40.566	7	53.66	47	36.735	8	25.22	63
Feb. 9	40.559	59	54.13	52	36.727	54	24.59	47
19	40.500	103	54.65	52	36.673	94	24.12	31
März 1	40.397	140	55.17	49	36.579	125	23.81	18
11	40.257	165	55.66	42	36.454	148	23.63	6
21	40.092	178	56.08	32	36.306	160	23.57	3
31	39.914	181	56.40	20	36.146	161	23.60	12
Apr. 10	39.733	171	56.60	8	35.985	154	23.72	20
20	39.562	154	56.68	4	35.831	137	23.92	28
30	39.408	126	56.64	15	35.694	114	24.20	34
Mai 10	39.282	93	56.49	26	35.580	85	24.54	40
20	39.189	56	56.23	34	35.495	52	24.94	46
30	39.133	16	55.89	41	35.443	17	25.40	52
Juni 9	39.117	25	55.48	46	35.426	18	25.92	57
19	39.142	67	55.02	50	35.444	55	26.49	59
29	39.209	105	54.52	53	35.499	90	27.08	60
Juli 9	39.314	142	53.99	56	35.589	122	27.68	59
19	39.456	177	53.43	58	35.711	153	28.27	54
29	39.633	208	52.85	60	35.864	181	28.81	47
Aug. 8	39.841	236	52.25	62	36.045	206	29.28	36
18	40.077	261	51.63	65	36.251	230	29.64	22
28	40.338	284	50.98	71	36.481	250	29.86	5
Sept. 7	40.622	304	50.27	74	36.731	269	29.91	15
17	40.926	320	49.53	77	37.000	284	29.76	36
27	41.246	334	48.76	80	37.284	297	29.40	58
Okt. 7	41.580	344	47.96	82	37.581	307	28.82	80
17	41.924	350	47.14	81	37.888	312	28.02	99
27	42.274	350	46.33	78	38.200	313	27.03	117
Nov. 6	42.624	343	45.55	71	38.513	307	25.86	130
16	42.967	330	44.84	61	38.820	295	24.56	139
26	43.297	307	44.23	50	39.115	274	23.17	142
Dez. 6	43.604	276	43.73	34	39.389	247	21.75	139
16	43.880	237	43.39	17	39.636	210	20.36	133
26	44.117	190	43.22	1	39.846	169	19.03	121
36	44.307		43.21		40.015		17.82	
Mittl. Ort	37.845		51.29		34.378		25.42	
sec δ, tg δ	1.132		+0.530		1.011		+0.148	
a, *a′*	+3.7		−7.0		+3.3		−7.1	
b, *b′*	−0.01		−0.94		0.00		−0.93	

Tag	284) Grb 1308 AR.	Δ	284) Grb 1308 Dekl.	Δ	286) ρ Geminorum AR.	Δ	286) ρ Geminorum Dekl.	Δ
1934	$7^h 24^m$		+68° 35′		$7^h 24^m$		+31° 54′	
	s		″		s		″	
Jan. 1	7.26	29	71.44	237	54.681	170	64.30	35
11	7.55	17	73.81	248	54.851	113	64.65	51
20	[12] 7.72	3	76.29	251	[12] 54.964	54	65.16	63
30	7.75	9	78.80	243	55.018	5	65.79	70
Feb. 9	7.66	20	81.23	224	55.013	58	66.49	73
19	7.46	31	83.47	196	54.955	106	67.22	71
März 1	7.15	40	85.43	161	54.849	143	67.93	64
11	6.75	46	87.04	118	54.706	170	68.57	53
21	6.29	49	88.22	71	54.536	185	69.10	40
31	5.80	50	88.93	23	54.351	188	69.50	25
Apr. 10	5.30	49	89.16	27	54.163	180	69.75	8
20	4.81	45	88.89	75	53.983	161	69.83	9
30	4.36	40	88.14	119	53.822	134	69.74	24
Mai 10	3.96	32	86.95	159	53.688	100	69.50	38
20	3.64	24	85.36	193	53.588	62	69.12	49
30	3.40	15	83.43	221	53.526	21	68.63	58
Juni 9	3.25	5	81.22	242	53.505	22	68.05	67
19	3.20	5	78.80	257	53.527	65	67.38	73
29	3.25	15	76.23	265	53.592	105	66.65	76
Juli 9	3.40	24	73.58	267	53.697	144	65.89	79
19	3.64	33	70.91	264	53.841	180	65.10	81
29	3.97	42	68.27	254	54.021	213	64.29	83
Aug. 8	4.39	50	65.73	240	54.234	242	63.46	84
18	4.89	56	63.33	221	54.476	269	62.62	85
28	5.45	62	61.12	199	54.745	293	61.77	87
Sept. 7	6.07	67	59.13	172	55.038	314	60.90	87
17	6.74	72	57.41	141	55.352	331	60.03	87
27	7.46	74	56.00	109	55.683	346	59.16	86
Okt. 7	8.20	77	54.91	73	56.029	358	58.30	84
17	8.97	77	54.18	34	56.387	363	57.46	79
27	9.74	77	53.84	6	56.750	364	56.67	72
Nov. 6	10.51	74	53.90	48	57.114	358	55.95	61
16	11.25	70	54.38	89	57.472	344	55.34	47
26	11.95	64	55.27	129	57.816	320	54.87	32
Dez. 6	12.59	57	56.56	165	58.136	290	54.55	14
16	13.16	47	58.21	198	58.426	249	54.41	4
26	13.63	36	60.19	224	58.675	200	54.45	24
36	13.99		62.43		58.875		54.69	
Mittl. Ort	1.84		71.21		52.175		63.12	
sec δ, tg δ	2.741		+2.552		1.178		+0.623	
a, *a′*	+6.3		−7.2		+3.8		−7.3	
b, *b′*	−0.06		−0.93		−0.02		−0.93	

Tag	287) α Geminorum [1] AR.		Dekl.		289) 25 Monocerotis AR.		Dekl.		291) α Canis min. [2] AR.		Dekl.		292) 24 Lyncis AR.		Dekl.	
1934	7h 30m		+32° 1'		7h 33m		−3° 57'		7h 35m		+5° 23'		7h 37m		+58° 51'	
Jan. 1	25.953	176	68.24	34	61.802	141	41.02	188	52.996	147	46.01	136	29.990	256	59.84	184
11	26.129	118	68.58	49	61.943	93	42.90	173	53.143	97	44.65	121	30.246	166	61.68	201
20	[13] 26.247	59	69.07	62	[14] 62.036	42	44.63	154	[15] 53.240	46	43.44	102	[15] 30.412	73	63.69	209
30	26.306	0	69.69	71	62.078	6	46.17	133	53.286	3	42.42	83	30.485	20	65.78	208
Feb. 9	26.306	53	70.40	74	62.072	52	47.50	111	53.283	49	41.59	65	30.465	107	67.86	197
19	26.253	102	71.14	73	62.020	92	48.61	87	53.234	90	40.94	47	30.358	184	69.83	179
März 1	26.151	141	71.87	66	61.928	124	49.48	64	53.144	122	40.47	31	30.174	248	71.62	152
11	26.010	168	72.53	56	61.804	147	50.12	41	53.022	145	40.16	16	29.926	295	73.14	119
21	25.842	184	73.09	43	61.657	159	50.53	20	52.877	158	40.00	3	29.631	325	74.33	80
31	25.658	189	73.52	27	61.498	164	50.73	1	52.719	161	39.97	9	29.306	336	75.13	40
Apr. 10	25.469	181	73.79	11	61.334	157	50.72	21	52.558	155	40.06	19	28.970	330	75.53	2
20	25.288	164	73.90	6	61.177	143	50.51	40	52.403	140	40.25	29	28.640	306	75.51	43
30	25.124	137	73.84	22	61.034	122	50.11	58	52.263	118	40.54	39	28.334	269	75.08	83
Mai 10	24.987	105	73.62	37	60.912	96	49.53	74	52.145	91	40.93	46	28.065	221	74.25	118
20	24.882	67	73.25	48	60.816	65	48.79	89	52.054	59	41.39	54	27.844	162	73.07	150
30	24.815	26	72.77	59	60.751	32	47.90	103	51.995	26	41.93	61	27.682	99	71.57	176
Juni 9	24.789	16	72.18	68	60.719	2	46.87	113	51.969	9	42.54	66	27.583	31	69.81	197
19	24.805	58	71.50	74	60.721	37	45.74	121	51.978	45	43.20	69	27.552	38	67.84	213
29	24.863	98	70.76	79	60.758	70	44.53	125	52.023	79	43.89	70	27.590	106	65.71	223
Juli 9	24.961	138	69.97	82	60.828	103	43.28	124	52.102	111	44.59	69	27.696	171	63.48	228
19	25.099	173	69.15	85	60.931	133	42.04	121	52.213	141	45.28	64	27.867	234	61.20	230
29	25.272	207	68.30	87	61.064	162	40.83	110	52.354	169	45.92	55	28.101	292	58.90	225
Aug. 8	25.479	236	67.43	89	61.226	189	39.73	96	52.523	196	46.47	43	28.393	346	56.65	216
18	25.715	264	66.54	90	61.415	213	38.77	76	52.719	219	46.90	28	28.739	394	54.49	205
28	25.979	288	65.64	92	61.628	235	38.01	52	52.938	240	47.18	8	29.133	437	52.44	190
Sept. 7	26.267	310	64.72	93	61.863	256	37.49	23	53.178	260	47.26	14	29.570	475	50.54	172
17	26.577	328	63.79	93	62.119	273	37.26	8	53.438	277	47.12	37	30.045	507	48.82	149
27	26.905	344	62.86	93	62.392	287	37.34	42	53.715	291	46.75	62	30.552	533	47.33	125
Okt. 7	27.249	356	61.93	90	62.679	299	37.76	75	54.006	301	46.13	87	31.085	552	46.08	97
17	27.605	363	61.03	85	62.978	306	38.51	107	54.307	309	45.26	111	31.637	562	45.11	66
27	27.968	365	60.18	77	63.284	307	39.58	138	54.616	310	44.15	130	32.199	564	44.45	33
Nov. 6	28.333	360	59.41	66	63.591	303	40.96	163	54.926	306	42.85	146	32.763	553	44.12	3
16	28.693	346	58.75	53	63.894	291	42.59	182	55.232	295	41.39	157	33.316	531	44.15	39
26	29.039	325	58.22	37	64.185	271	44.41	197	55.527	275	39.82	163	33.847	494	44.54	75
Dez. 6	29.364	294	57.85	18	64.456	245	46.38	202	55.802	249	38.19	163	34.341	444	45.29	110
16	29.658	253	57.67	2	64.701	209	48.40	203	56.051	214	36.56	157	34.785	380	46.39	142
26	29.911	206	57.69	21	64.910	168	50.43	196	56.265	172	34.99	146	35.165	303	47.81	169
36	30.117		57.90		65.078		52.39		56.437		33.53		35.468		49.50	
Mittl. Ort	23.447		67.48		59.841		44.34		50.958		43.69		26.038		60.88	
sec δ, tg δ	1.180		+0.626		1.002		−0.069		1.004		+0.094		1.934		+1.656	
a, *a'*	+3.8		−7.7		+3.0		−8.0		+3.2		−8.1		+5.1		−8.3	
b, *b'*	−0.02		−0.92		0.00		−0.92		0.00		−0.91		−0.05		−0.91	

[1] AR. der Mitte; Dekl. des folgenden, helleren Sterns.

[2] Ort des hellen Sterns; die jährliche Parallaxe (0.″33) ist bereits berücksichtigt.

Scheinbare Sternörter 1934

Tag	294) κ Geminorum AR.		Dekl.		295) β Geminorum AR.		Dekl.		297) ζ Volantis AR.		Dekl.		296) π Geminorum AR.		Dekl.	
1934	$7^h 40^m$		$+24° 33'$		$7^h 41^m$		$+28° 11'$		$7^h 42^m$		$-72° 26'$		$7^h 43^m$		$+33° 34'$	
Jan. 1	30.302	176	28.66	17	19.234	181	13.96	4	41.99	9	43.27	386	17.878	193	45.13	37
11	[16] 30.478	123	28.49	1	[16] 19.415	126	14.00	23	[16] 42.08	5	47.13	384	18.071	134	45.50	56
20	30.601	67	28.48	17	19.541	68	14.23	38	42.03	20	50.97	371	[17] 18.205	75	46.06	70
30	30.668	12	28.65	28	19.609	12	14.61	49	41.83	32	54.68	349	18.280	14	46.76	80
Feb. 9	30.680	40	28.93	38	19.621	42	15.10	57	41.51	45	58.17	319	18.294	42	47.56	85
19	30.640	85	29.31	42	19.579	89	15.67	59	41.06	54	61.36	281	18.252	93	48.41	84
März 1	30.555	123	29.73	44	19.490	128	16.26	58	40.52	63	64.17	239	18.159	133	49.25	79
11	30.432	151	30.17	42	19.362	157	16.84	52	39.89	70	66.56	191	18.026	165	50.04	67
21	30.281	167	30.59	35	19.205	173	17.36	43	39.19	73	68.47	141	17.861	183	50.71	54
31	30.114	172	30.94	29	19.032	180	17.79	31	38.46	75	69.88	89	17.678	190	51.25	37
Apr. 10	29.942	167	31.23	19	18.852	175	18.10	19	37.71	76	70.77	35	17.488	185	51.62	18
20	29.775	152	31.42	10	18.677	159	18.29	6	36.95	74	71.12	19	17.303	170	51.80	0
30	29.623	129	31.52	1	18.518	136	18.35	8	36.21	70	70.93	70	17.133	146	51.80	19
Mai 10	29.494	100	31.53	9	18.382	106	18.27	19	35.51	65	70.23	122	16.987	115	51.61	35
20	29.394	67	31.44	15	18.276	72	18.08	30	34.86	58	69.01	167	16.872	78	51.26	50
30	29.327	30	31.29	23	18.204	33	17.78	38	34.28	49	67.34	211	16.794	39	50.76	63
Juni 9	29.297	9	31.06	28	18.171	5	17.40	47	33.79	40	65.23	247	16.755	3	50.13	74
19	29.306	46	30.78	33	18.176	46	16.93	53	33.39	29	62.76	277	16.758	45	49.39	83
29	29.352	84	30.45	37	18.222	83	16.40	58	33.10	18	59.99	300	16.803	85	48.56	89
Juli 9	29.436	120	30.08	41	18.305	121	15.82	63	32.92	6	56.99	313	16.888	125	47.67	95
19	29.556	152	29.67	45	18.426	155	15.19	67	32.86	5	53.86	318	17.013	161	46.72	98
29	29.708	184	29.22	51	18.581	187	14.52	71	32.91	18	50.68	310	17.174	196	45.74	102
Aug. 8	29.892	212	28.71	55	18.768	217	13.81	75	33.09	30	47.58	295	17.370	227	44.72	105
18	30.104	239	28.16	62	18.985	244	13.06	80	33.39	41	44.63	266	17.597	256	43.67	106
28	30.343	262	27.54	69	19.229	268	12.26	84	33.80	51	41.97	230	17.853	283	42.61	108
Sept. 7	30.605	284	26.85	77	19.497	291	11.42	90	34.31	61	39.67	183	18.136	306	41.53	108
17	30.889	303	26.08	84	19.788	310	10.52	93	34.92	67	37.84	128	18.442	327	40.45	109
27	31.192	318	25.24	91	20.098	327	9.59	97	35.59	73	36.56	68	18.769	344	39.36	106
Okt. 7	31.510	332	24.33	96	20.425	340	8.62	99	36.32	77	35.88	2	19.113	359	38.30	102
17	31.842	340	23.37	99	20.765	349	7.63	98	37.09	76	35.86	64	19.472	369	37.28	96
27	32.182	345	22.38	100	21.114	353	6.65	93	37.85	77	36.50	130	19.841	373	36.32	87
Nov. 6	32.527	341	21.38	96	21.467	351	5.72	88	38.62	71	37.80	194	20.214	370	35.45	74
16	32.868	332	20.42	89	21.818	339	4.84	76	39.33	64	39.74	250	20.584	358	34.71	59
26	33.200	312	19.53	79	22.157	321	4.08	63	39.97	55	42.24	299	20.942	339	34.12	40
Dez. 6	33.512	284	18.74	64	22.478	292	3.45	46	40.52	44	45.23	337	21.281	310	33.72	19
16	33.796	249	18.10	48	22.770	254	2.99	28	40.96	32	48.60	366	21.591	270	33.53	2
26	34.045	204	17.62	30	23.024	210	2.71	8	41.28	18	52.26	383	21.861	222	33.55	24
36	34.249		17.32		23.234		2.63		41.46		56.09		22.083		33.79	
Mittl. Ort	27.987		28.09		16.839		13.72		38.43		52.51		15.341		45.44	
sec δ, tg δ	1.099		+0.457		1.135		+0.536		3.316		−3.162		1.200		+0.664	
a, a'	+3.6		−8.5		+3.7		−8.6		−0.7		−8.7		+3.9		−8.7	
b, b'	−0.01		−0.91		−0.02		−0.90		+0.09		−0.90		−0.02		−0.90	

Tag	300) Grb 1374				303) γ Argus				305) γ Geminorum				306) ζ Argus			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1934	7h 52m		+74° 5′		7h 55m		−52° 48′		7h 59m		+27° 58′		8h 1m		−39° 48′	
	s		″		s		″		s		″		s		″	
Jan. 1	27.00	45	47.03	245	8.283	136	7.94	377	30.480	201	50.01	4	17.724	150	51.78	349
11	27.45	28	49.48	264	8.419	61	11.71	374	30.681	146	49.97	$\overline{16}$	17.874	89	55.27	344
20*)	27.73	12	52.12	273	8.480	$\overline{14}$	15.45	361	30.827	89	50.13	34	17.963	27	58.71	329
30	27.85	$\overline{6}$	54.85	270	8.466	85	19.06	337	30.916	32	50.47	48	17.990	31	62.00	307
Feb. 9	27.79	21	57.55	256	8.381	152	22.43	307	30.948	$\overline{23}$	50.95	58	17.959	88	65.07	277
19	27.58	36	60.11	232	8.229	211	25.50	271	30.925	72	51.53	63	17.871	136	67.84	242
März 1	27.22	49	62.43	198	8.018	258	28.21	228	30.853	113	52.16	64	17.735	178	70.26	202
11	26.73	58	64.41	156	7.760	294	30.49	182	30.740	144	52.80	59	17.557	208	72.28	160
21	26.15	64	65.97	108	7.466	319	32.31	133	30.596	165	53.39	52	17.349	229	73.88	115
31	25.51	68	67.05	57	7.147	332	33.64	83	30.431	174	53.91	42	17.120	239	75.03	70
Apr. 10	24.83	68	67.62	3	6.815	331	34.47	32	30.257	172	54.33	28	16.881	240	75.73	23
20	24.15	66	67.65	$\overline{49}$	6.484	321	34.79	$\overline{20}$	30.085	161	54.61	16	16.641	230	75.96	$\overline{22}$
30	23.49	59	67.16	99	6.163	301	34.59	69	29.924	141	54.77	2	16.411	213	75.74	66
Mai 10	22.90	52	66.17	146	5.862	271	33.90	117	29.783	114	54.79	$\overline{11}$	16.198	188	75.08	109
20	22.38	43	64.71	187	5.591	234	32.73	161	29.669	82	54.68	23	16.010	159	73.99	148
30	21.95	31	62.84	222	5.357	192	31.12	202	29.587	48	54.45	34	15.851	124	72.51	183
Juni 9	21.64	19	60.62	251	5.165	145	29.10	235	29.539	8	54.11	44	15.727	87	70.68	214
19	21.45	6	58.11	272	5.020	93	26.75	265	29.531	$\overline{28}$	53.67	52	15.640	46	68.54	239
29	21.39	$\overline{6}$	55.39	288	4.927	39	24.10	285	29.559	66	53.15	59	15.594	4	66.15	256
Juli 9	21.45	20	52.51	295	4.888	$\overline{17}$	21.25	297	29.625	102	52.56	66	15.590	$\overline{37}$	63.59	267
19	21.65	31	49.56	297	4.905	73	18.28	301	29.727	137	51.90	71	15.627	80	60.92	268
29	21.96	44	46.59	293	4.978	128	15.27	294	29.864	169	51.19	78	15.707	123	58.24	262
Aug. 8	22.40	54	43.66	281	5.106	183	12.33	277	30.033	199	50.41	84	15.830	162	55.62	245
18	22.94	64	40.85	266	5.289	236	9.56	252	30.232	227	49.57	90	15.992	202	53.17	220
28	23.58	73	38.19	244	5.525	284	7.04	214	30.459	254	48.67	96	16.194	239	50.97	185
Sept. 7	24.31	82	35.75	218	5.809	329	4.90	169	30.713	278	47.71	102	16.433	273	49.12	143
17	25.13	88	33.57	188	6.138	366	3.21	116	30.991	300	46.69	107	16.706	302	47.69	94
27	26.01	93	31.69	153	6.504	397	2.05	57	31.291	320	45.62	111	17.008	327	46.75	39
Okt. 7	26.94	98	30.16	114	6.901	418	1.48	$\overline{6}$	31.611	336	44.51	114	17.335	347	46.36	$\overline{20}$
17	27.92	100	29.02	73	7.319	431	1.54	71	31.947	348	43.37	113	17.682	360	46.56	79
27	28.92	100	28.29	28	7.750	430	2.25	135	32.295	355	42.24	110	18.042	362	47.35	138
Nov. 6	29.92	98	28.01	$\overline{18}$	8.180	418	3.60	195	32.650	356	41.14	103	18.404	358	48.73	192
16	30.90	94	28.19	66	8.598	393	5.55	250	33.006	348	40.11	92	18.762	342	50.65	242
26	31.84	88	28.85	111	8.991	356	8.05	296	33.354	333	39.19	78	19.104	316	53.07	283
Dez. 6	32.72	78	29.96	156	9.347	308	11.01	334	33.687	306	38.41	60	19.420	281	55.90	315
16	33.50	67	31.52	195	9.655	247	14.35	360	33.993	272	37.81	40	19.701	236	59.05	338
26	34.17	53	33.47	228	9.902	180	17.95	374	34.265	228	37.41	18	19.937	184	62.43	348
36	34.70		35.75		10.082		21.69		34.493		37.23		20.121		65.91	
Mittl. Ort	20.00		49.96		6.109		16.30		28.117		51.04		15.798		58.97	
sec δ, tg δ	3.650		+3.510		1.654		−1.318		1.132		+0.531		1.302		−0.834	
a, *a′*	+7.2		−9.4		+1.5		−9.6		+3.7		−10.0		+2.1		−10.1	
b, *b′*	−0.11		−0.88		+0.04		−0.88		−0.02		−0.87		+0.03		−0.86	

[1]) Bei Stern 305) und 306) lies Jan. 21

Scheinbare Sternörter 1934

Tag	307) 27 Lyncis AR.		307) Dekl.		308) ι Navis AR.		308) Dekl.		309) γ Argus AR.		309) Dekl.		311) 20 Navis AR.		311) Dekl.	
1934	8h 3m		+51° 41′		8h 4m		−24° 6′		8h 7m		−47° 8′		8h 10m		−15° 35′	
Jan. 1	33.469	264	52.08	133	45.802	159	41.63	294	31.873	156	20.90	367	19.809	169	13.83	258
11	33.733	190	53.41	155	45.961	108	44.57	286	32.029	90	24.57	365	19.978	120	16.41	246
21	33.923	112	54.96	172	46.069	54	47.43	269	32.119	22	28.22	353	20.098	69	18.87	229
30	[22] 34.035	32	56.68	179	[22] 46.123	1	50.12	246	[23] 32.141	44	31.75	332	[23] 20.167	18	21.16	207
Feb. 9	34.067	44	58.47	178	46.124	48	52.58	218	32.097	105	35.07	304	20.185	31	23.23	181
19	34.023	113	60.25	169	46.076	92	54.76	187	31.992	160	38.11	268	20.154	74	25.04	153
März 1	33.910	172	61.94	152	45.984	129	56.63	153	31.832	206	40.79	228	20.080	111	26.57	123
11	33.738	218	63.46	129	45.855	157	58.16	118	31.626	241	43.07	185	19.969	138	27.80	92
21	33.520	249	64.75	99	45.698	175	59.34	81	31.385	265	44.92	138	19.831	157	28.72	61
31	33.271	265	65.74	66	45.523	185	60.15	44	31.120	278	46.30	89	19.674	166	29.33	32
Apr. 10	33.006	267	66.40	30	45.338	183	60.59	8	30.842	281	47.19	40	19.508	165	29.65	1
20	32.739	252	66.70	6	45.155	176	60.67	29	30.561	273	47.59	9	19.343	159	29.66	28
30	32.487	228	66.64	42	44.979	158	60.38	62	30.288	255	47.50	57	19.184	143	29.38	55
Mai 10	32.259	193	65.22	75	44.821	137	59.76	95	30.033	232	46.93	103	19.041	122	28.83	82
20	32.066	148	65.47	105	44.684	110	58.81	124	29.801	201	45.90	146	18.919	96	28.01	105
30	31.918	100	64.42	132	44.574	80	57.57	152	29.600	164	44.44	185	18.823	68	26.96	126
Juni 9	31.818	47	63.10	156	44.494	48	56.05	174	29.436	123	42.59	219	18.755	37	25.70	145
19	31.771	7	61.54	173	44.446	13	54.31	193	29.313	79	40.40	248	18.718	5	24.25	158
29	31.778	61	59.81	188	44.433	21	52.38	205	29.234	32	37.92	269	18.713	28	22.67	168
Juli 9	31.839	115	57.93	198	44.454	57	50.33	211	29.202	15	35.23	281	18.741	60	20.99	172
19	31.954	166	55.95	205	44.511	90	48.22	211	29.217	64	32.42	287	18.801	92	19.27	170
29	32.120	215	53.90	207	44.601	124	46.11	202	29.281	113	29.55	281	18.893	122	17.57	162
Aug. 8	32.335	260	51.83	205	44.725	156	44.09	187	29.394	160	26.74	267	19.015	153	15.95	148
18	32.595	302	49.78	201	44.881	187	42.22	164	29.554	206	24.07	243	19.168	181	14.47	126
28	32.897	341	47.77	194	45.068	216	40.58	133	29.760	250	21.64	208	19.349	209	13.21	100
Sept. 7	33.238	376	45.83	183	45.284	244	39.25	96	30.010	291	19.56	166	19.558	234	12.21	65
17	33.614	408	44.00	169	45.528	268	38.29	53	30.301	326	17.90	115	19.792	257	11.56	29
27	34.022	435	42.31	153	45.796	289	37.76	7	30.627	356	16.75	58	20.049	279	11.27	13
Okt. 7	34.457	458	40.78	132	46.085	307	37.69	44	30.983	379	16.17	2	20.328	296	11.40	56
17	34.915	474	39.46	108	46.392	319	38.13	92	31.362	393	16.19	65	20.624	309	11.96	100
27	35.389	482	38.38	81	46.711	325	39.05	141	31.755	398	16.84	127	20.933	316	12.96	140
Nov. 6	35.871	481	37.57	51	47.036	324	40.46	186	32.153	391	18.11	187	21.249	317	14.36	178
16	36.352	471	37.06	18	47.360	313	42.32	224	32.544	374	19.98	239	21.566	310	16.14	209
26	36.823	447	36.88	16	47.673	295	44.56	256	32.918	344	22.37	286	21.876	293	18.23	235
Dez. 6	37.270	411	37.04	50	47.968	267	47.12	278	33.262	305	25.23	323	22.169	270	20.58	252
16	37.681	362	37.54	85	48.235	232	49.90	293	33.567	254	28.46	348	22.439	236	23.10	261
26	38.043	303	38.39	115	48.467	187	52.83	297	33.821	195	31.94	365	22.675	196	25.71	262
36	38.346		39.54		48.654		55.80		34.016		35.59		22.871		28.33	
Mittl. Ort	30.154		55.40		43.964		46.92		29.876		29.08		17.977		17.92	
sec δ, tg δ	1.613		+1.266		1.096		−0.448		1.470		−1.078		1.038		−0.279	
a, a′	+4.5		−10.3		+2.6		−10.4		+1.9		−10.6		+2.8		−10.8	
b, b′	−0.04		−0.86		+0.02		−0.86		+0.04		−0.85		+0.01		−0.84	

Tag	310) Br 1147 AR.	Δ	310) Br 1147 Dekl.	Δ	312) β Cancri AR.	Δ	312) β Cancri Dekl.	Δ	314) 31 Lyncis AR.	Δ	314) 31 Lyncis Dekl.	Δ	315) ε Argus AR.	Δ	315) ε Argus Dekl.	Δ
1934	$8^h 11^m$		$+75° 57'$		$8^h 12^m$		$+9° 23'$		$8^h 18^m$		$+43° 23'$		$8^h 21^m$		$-59° 17'$	
Jan. 1	$25.^s78$	55	$35.''75$	240	$58.^s289$	189	$25.''16$	123	$22.^s328$	254	$60.''67$	78	$11.^s958$	186	$37.''57$	384
11	26.33	38	38.15	264	58.478	142	23.93	105	22.582	192	61.45	102	12.144	100	41.41	388
21	26.71	19	40.79	278	58.620	91	22.88	86	22.774	124	62.47	122	12.244	13	45.29	381
30	[24] 26.90	0	43.57	279	[24] 58.711	38	22.02	66	[23] 22.898	54	63.69	136	[26] 12.257	71	49.10	365
Feb. 9	26.90	18	46.36	270	58.749	10	21.36	46	22.952	12	65.05	142	12.186	151	52.75	339
19	26.72	36	49.06	249	58.739	55	20.90	30	22.940	73	66.47	141	12.035	221	56.14	308
März 1	26.36	50	51.55	219	58.684	93	20.60	14	22.867	126	67.88	133	11.814	282	59.22	269
11	25.86	62	53.74	178	58.591	121	20.46	1	22.741	168	69.21	117	11.532	330	61.91	225
21	25.24	71	55.52	132	58.470	142	20.45	9	22.573	198	70.38	97	11.202	365	64.16	177
31	24.53	76	56.84	81	58.328	151	20.54	18	22.375	213	71.35	73	10.837	386	65.93	127
Apr. 10	23.77	78	57.65	26	58.177	151	20.72	24	22.162	217	72.08	45	10.451	396	67.20	76
20	22.99	76	57.91	27	58.026	144	20.96	30	21.945	209	72.53	16	10.055	392	67.96	23
30	22.23	71	57.64	80	57.882	127	21.26	34	21.736	190	72.69	14	9.663	377	68.19	28
Mai 10	21.52	64	56.84	130	57.755	105	21.60	38	21.546	161	72.55	41	9.286	352	67.91	81
20	20.88	54	55.54	174	57.650	80	21.98	41	21.385	128	72.14	67	8.934	318	67.10	128
30	20.34	42	53.80	213	57.570	50	22.39	43	21.257	87	71.47	91	8.616	275	65.82	173
Juni 9	19.92	29	51.67	247	57.520	19	22.82	44	21.170	45	70.56	112	8.341	226	64.09	213
19	19.63	16	49.20	273	57.501	14	23.26	45	21.125	0	69.44	130	8.115	172	61.96	248
29	19.47	2	46.47	291	57.515	45	23.71	43	21.125	45	68.14	145	7.943	110	59.48	274
Juli 9	19.45	13	43.56	304	57.560	77	24.14	40	21.170	88	66.69	156	7.833	48	56.74	294
19	19.58	27	40.52	310	57.637	107	24.54	34	21.258	131	65.13	165	7.785	19	53.80	303
29	19.85	40	37.42	308	57.744	136	24.88	26	21.389	172	63.48	171	7.804	85	50.77	304
Aug. 8	20.25	53	34.34	301	57.880	164	25.14	14	21.561	210	61.77	175	7.889	154	47.73	294
18	20.78	65	31.33	288	58.044	190	25.28	1	21.771	247	60.02	176	8.043	219	44.79	273
28	21.43	76	28.45	269	58.234	215	25.29	17	22.018	281	58.26	175	8.262	284	42.06	242
Sept. 7	22.19	85	25.76	245	58.449	239	25.12	36	22.299	312	56.51	172	8.546	342	39.64	201
17	23.04	94	23.31	215	58.688	261	24.76	56	22.611	342	54.79	166	8.888	395	37.63	151
27	23.98	101	21.16	182	58.949	280	24.20	78	22.953	368	53.13	158	9.283	438	36.12	95
Okt. 7	24.99	107	19.34	143	59.229	298	23.42	99	23.321	391	51.55	145	9.721	472	35.17	32
17	26.06	110	17.91	101	59.527	312	22.43	119	23.712	408	50.10	130	10.193	493	34.85	34
27	27.16	112	16.90	55	59.839	320	21.24	135	24.120	420	48.80	111	10.686	501	35.19	99
Nov. 6	28.28	111	16.35	7	60.159	323	19.89	148	24.540	423	47.69	88	11.187	493	36.18	163
16	29.39	107	16.28	43	60.482	318	18.41	156	24.963	418	46.81	62	11.680	471	37.81	223
26	30.46	101	16.71	91	60.800	305	16.85	158	25.381	402	46.19	34	12.151	432	40.04	276
Dez. 6	31.47	92	17.62	140	61.105	284	15.27	155	25.783	374	45.85	2	12.583	378	42.80	320
16	32.39	79	19.02	182	61.389	253	13.72	147	26.157	336	45.83	29	12.961	314	46.00	353
26	33.18	65	20.84	220	61.642	215	12.25	134	26.493	286	46.12	59	13.275	237	49.53	376
36	33.83		23.04		61.857		10.91		26.779		46.71		13.512		53.29	
Mittl. Ort	18.03		40.81		56.278		24.72		19.501		64.70		9.726		47.51	
sec δ, tg δ	4.122		+3.999		1.014		+0.165		1.376		+0.946		1.959		−1.684	
a, *a'*	+7.6		−10.9		+3.3		−11.0		+4.1		−11.4		+1.2		−11.6	
b, *b'*	−0.14		−0.84		−0.01		−0.84		−0.04		−0.82		+0.06		−0.82	

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Tag	316) Br 1197 AR.	Diff.	316) Br 1197 Dekl.	Diff.	318) ϑ Chamael. AR.	Diff.	318) ϑ Chamael. Dekl.	Diff.	317) o Ursae maj. AR.	Diff.	317) o Ursae maj. Dekl.	Diff.	320) Grb 1450 AR.	Diff.	320) Grb 1450 Dekl.	Diff.
1934	8h 22m		−3° 41′		8h 22m		−77° 16′		8h 24m		+60° 56′		8h 28m		+38° 14′	
Jan. 1	23.691 s	188	21.67 ″	200	43.08 s	26	8.69 ″	380	51.95 s	35	20.40 ″	166	40.534 s	251	34.80 ″	41
11	23.879	141	23.67	186	43.34	7	12.49	388	52.30	26	22.06	194	40.785	193	35.21	68
21	24.020	90	25.53	167	43.41	11	16.37	388	52.56	16	24.00	213	40.978	131	35.89	90
30	[27]24.110	40	27.20	145	[27]43.30	30	20.25	375	[27]52.72	6	26.13	224	[28]41.109	66	36.79	106
Feb. 9	24.150	9	28.65	123	43.00	47	24.00	355	52.78	3	28.37	223	41.175	4	37.85	117
19	24.141	52	29.88	98	42.53	62	27.55	326	52.75	12	30.60	214	41.179	55	39.02	120
März 1	24.089	90	30.86	75	41.91	76	30.81	291	52.63	21	32.74	195	41.124	104	40.22	117
11	23.999	119	31.61	53	41.15	85	33.72	250	52.42	26	34.69	167	41.020	144	41.39	108
21	23.880	138	32.14	30	40.30	94	36.22	204	52.16	32	36.36	133	40.876	174	42.47	93
31	23.742	150	32.44	10	39.36	100	38.26	155	51.84	34	37.69	94	40.702	190	43.40	74
Apr. 10	23.592	151	32.54	10	38.36	102	39.81	103	51.50	36	38.63	51	40.512	196	44.14	51
20	23.441	145	32.44	28	37.34	102	40.84	50	51.14	34	39.14	6	40.316	189	44.65	28
30	23.296	132	32.16	44	36.32	101	41.34	3	50.80	32	39.20	37	40.127	174	44.93	3
Mai 10	23.164	112	31.72	60	35.31	96	41.31	57	50.48	29	38.83	79	39.953	149	44.96	22
20	23.052	88	31.12	74	34.35	90	40.74	107	50.19	24	38.04	118	39.804	119	44.74	44
30	22.964	62	30.38	87	33.45	80	39.67	155	49.95	18	36.86	154	39.685	84	44.30	66
Juni 9	22.902	32	29.51	97	32.65	70	38.12	199	49.77	12	35.32	183	39.601	46	43.64	85
19	22.870	1	28.54	104	31.95	57	36.13	237	49.65	5	33.49	210	39.555	6	42.79	102
29	22.869	29	27.50	109	31.38	43	33.76	269	49.60	1	31.39	229	39.549	34	41.77	116
Juli 9	22.898	59	26.41	109	30.95	28	31.07	292	49.61	8	29.10	244	39.583	73	40.61	129
19	22.957	89	25.32	106	30.67	12	28.15	306	49.69	15	26.66	254	39.656	112	39.32	139
29	23.046	118	24.26	97	30.55	5	25.09	311	49.84	21	24.12	259	39.768	150	37.93	147
Aug. 8	23.164	147	23.29	85	30.60	22	21.98	305	50.05	27	21.53	259	39.918	185	36.46	153
18	23.311	173	22.44	67	30.82	39	18.93	288	50.32	33	18.94	253	40.103	219	34.93	158
28	23.484	200	21.77	45	31.21	54	16.05	261	50.65	38	16.41	245	40.322	251	33.35	161
Sept. 7	23.684	224	21.32	17	31.75	69	13.44	223	51.03	44	13.96	231	40.573	282	31.74	163
17	23.908	248	21.15	12	32.44	81	11.21	176	51.47	48	11.65	212	40.855	310	30.11	161
27	24.156	270	21.27	44	33.25	92	9.45	121	51.95	52	9.53	191	41.165	337	28.50	158
Okt. 7	24.426	288	21.71	77	34.17	100	8.24	60	52.47	55	7.62	163	41.502	359	26.92	151
17	24.714	304	22.48	110	35.17	103	7.64	5	53.02	57	5.99	133	41.861	378	25.41	141
27	25.018	313	23.58	140	36.20	104	7.69	73	53.59	59	4.66	98	42.239	392	24.00	128
Nov. 6	25.331	316	24.98	166	37.24	101	8.42	138	54.18	60	3.68	60	42.631	397	22.72	110
16	25.647	313	26.64	188	38.25	94	9.80	199	54.78	59	3.08	19	43.028	395	21.62	89
26	25.960	301	28.52	203	39.19	84	11.79	256	55.37	56	2.89	24	43.423	382	20.73	63
Dez. 6	26.261	280	30.55	211	40.03	71	14.35	304	55.93	52	3.13	66	43.805	359	20.10	35
16	26.541	249	32.66	212	40.74	56	17.39	341	56.45	47	3.79	108	44.164	324	19.75	6
26	26.790	213	34.78	207	41.30	38	20.80	368	56.92	40	4.87	145	44.488	280	19.69	23
36	27.003		36.85		41.68		24.48		57.32		6.32		44.768		19.92	
Mittl. Ort	21.832		23.73		39.08		20.15		47.89		26.40		37.939		39.16	
sec δ, tg δ	1.002		−0.064		4.539		−4.427		2.059		+1.800		1.273		+0.788	
a, *a′*	+3.0		−11.7		−1.7		−11.7		+5.0		−11.8		+3.9		−12.1	
b, *b′*	0.00		−0.81		+0.17		−0.81		−0.07		−0.81		−0.03		−0.80	

Tag	321) η Cancri AR.		321) η Cancri Dekl.		326) δ Cancri AR.		326) δ Cancri Dekl.		327) α Pyxidis AR.		327) α Pyxidis Dekl.		328) ι Cancri AR.		328) ι Cancri Dekl.	
1934	$8^h 28^m$		+20° 39′		$8^h 40^m$		+18° 23′		$8^h 40^m$		−32° 56′		$8^h 42^m$		+28° 59′	
Jan. 1	55.888	218	57.80	62	58.330	226	50.52	82	58.088	198	44.35	329	44.781	245	65.09	20
11	56.106	168	57.18	41	58.556	177	49.70	59	58.286	145	47.64	328	45.026	193	64.89	6
21	56.274	115	56.77	18	58.733	126	49.11	37	58.431	88	50.92	317	45.219	137	64.95	29
30*)	56.389	60	56.59	1	58.859	71	48.74	15	58.519	31	54.09	299	45.356	78	65.24	51
Feb. 9	56.449	7	56.60	17	58.930	19	48.59	3	58.550	23	57.08	274	45.434	22	65.75	66
19	56.456	41	56.77	31	58.949	30	48.62	18	58.527	73	59.82	244	45.456	31	66.41	77
März 1	56.415	84	57.08	40	58.919	72	48.80	30	58.454	116	62.26	210	45.425	79	67.18	82
11	56.331	117	57.48	44	58.847	107	49.10	38	58.338	149	64.36	172	45.346	115	68.00	82
21	56.214	140	57.92	46	58.740	131	49.48	42	58.189	175	66.08	134	45.231	143	68.82	76
31	56.074	153	58.38	43	58.609	146	49.90	43	58.014	191	67.42	93	45.088	161	69.58	67
Apr. 10	55.921	157	58.81	39	58.463	152	50.33	40	57.823	197	68.35	51	44.927	167	70.25	54
20	55.764	152	59.20	33	58.311	148	50.73	36	57.626	196	68.86	11	44.760	164	70.79	40
30	55.612	137	59.53	25	58.163	136	51.09	31	57.430	185	68.97	30	44.596	152	71.19	23
Mai 10	55.475	117	59.78	18	58.027	118	51.40	25	57.245	170	68.67	70	44.444	133	71.42	7
20	55.358	91	59.96	10	57.909	95	51.65	18	57.075	147	67.97	106	44.311	107	71.49	9
30	55.267	62	60.06	1	57.814	67	51.83	12	56.928	122	66.91	141	44.204	78	71.40	25
Juni 9	55.205	30	60.07	6	57.747	39	51.95	5	56.806	92	65.50	170	44.126	47	71.15	39
19	55.175	2	60.01	13	57.708	7	52.00	2	56.714	61	63.80	196	44.079	12	70.76	53
29	55.177	35	59.88	20	57.701	24	51.98	10	56.653	26	61.84	215	44.067	22	70.23	65
Juli 9	55.212	68	59.68	28	57.725	55	51.88	17	56.627	9	59.69	229	44.089	56	69.58	78
19	55.280	99	59.40	36	57.780	86	51.71	26	56.636	45	57.40	234	44.145	90	68.80	88
29	55.379	130	59.04	45	57.866	115	51.45	35	56.681	82	55.06	233	44.235	122	67.92	98
Aug. 8	55.509	159	58.59	56	57.981	145	51.10	47	56.763	119	52.73	221	44.357	154	66.94	108
18	55.668	188	58.03	66	58.126	173	50.63	59	56.882	155	50.52	204	44.511	185	65.86	117
28	55.856	214	57.37	78	58.299	200	50.04	72	57.037	192	48.48	175	44.696	215	64.69	126
Sept. 7	56.070	241	56.59	90	58.499	228	49.32	87	57.229	226	46.73	140	44.911	244	63.43	134
17	56.311	265	55.69	103	58.727	252	48.45	101	57.455	258	45.33	97	45.155	271	62.09	141
27	56.576	287	54.66	115	58.979	277	47.44	116	57.713	288	44.36	49	45.426	297	60.68	147
Okt. 7	56.863	308	53.51	126	59.256	299	46.28	129	58.001	314	43.87	4	45.723	320	59.21	150
17	57.171	325	52.25	134	59.555	318	44.99	139	58.315	333	43.91	59	46.043	340	57.71	150
27	57.496	337	50.91	138	59.873	331	43.60	147	58.648	347	44.50	113	46.383	355	56.21	145
Nov. 6	57.833	342	49.53	139	60.204	339	42.13	150	58.995	350	45.63	166	46.738	364	54.76	138
16	58.175	341	48.14	136	60.543	339	40.63	149	59.345	347	47.29	214	47.102	364	53.38	126
26	58.516	330	46.78	127	60.882	331	39.14	143	59.692	331	49.43	255	47.466	356	52.12	108
Dez. 6	58.846	311	45.51	114	61.213	313	37.71	131	60.023	306	51.98	288	47.822	338	51.04	87
16	59.157	280	44.37	96	61.526	286	36.40	115	60.329	271	54.86	312	48.160	308	50.17	64
26	59.437	243	43.41	77	61.812	250	35.25	93	60.600	227	57.98	325	48.468	270	49.53	37
36	59.680		42.64		62.062		34.32		60.827		61.23		48.738		49.16	
Mittl. Ort	53.745		59.84		56.262		52.92		56.358		51.17		42.501		69.29	
sec δ, tg δ	1.069		+0.377		1.054		+0.333		1.192		−0.648		1.143		+0.554	
a, *a′*	+3.5		−12.1		+3.4		−12.9		+2.4		−12.9		+3.6		−13.1	
b, *b′*	−0.02		− 0.80		−0.01		− 0.76		+0.03		− 0.76		−0.02		− 0.76	

*) Bei Stern 326), 327) und 328) lies Jan. 31

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Tag	330) δ Argus AR.		330) δ Argus Dekl.		334) ζ Hydrae AR.		334) ζ Hydrae Dekl.		336) c Carinae AR.		336) c Carinae Dekl.		335) ι Ursae maj. AR.		335) ι Ursae maj. Dekl.	
1934	$8^h 42^m$		−54° 27′		$8^h 51^m$		+6° 11′		$8^h 53^m$		−60° 23′		$8^h 54^m$		+48° 17′	
Jan. 1	54.840	219	48.27	376	56.281	222	51.42	155	35.27	25	19.06	376	44.891	314	59.48	80
11	55.059	144	52.03	383	56.503	176	49.87	136	35.52	17	22.82	389	45.205	249	60.28	112
21	55.203	67	55.86	379	56.679	127	48.51	115	35.69	8	26.71	390	45.454	179	61.40	141
31	55.270	9	59.65	367	56.806	75	47.36	94	35.77	1	30.61	380	45.633	104	62.81	158
Feb. 9	[1] 55.261	82	63.32	345	[3] 56.881	25	46.42	70	[3] 35.76	9	34.41	363	[4] 45.737	31	64.39	171
19	55.179	148	66.77	315	56.906	21	45.72	50	35.67	17	38.04	335	45.768	39	66.10	174
März 1	55.031	205	69.92	280	56.885	62	45.22	31	35.50	23	41.39	302	45.729	101	67.84	170
11	54.826	251	72.72	239	56.823	95	44.91	13	35.27	30	44.41	263	45.628	153	69.54	157
21	54.575	287	75.11	194	56.728	119	44.78	1	34.97	33	47.04	219	45.475	194	71.11	136
31	54.288	311	77.05	146	56.609	136	44.79	13	34.64	37	49.23	171	45.281	221	72.47	111
Apr. 10	53.977	324	78.51	97	56.473	141	44.92	23	34.27	38	50.94	121	45.060	234	73.58	79
20	53.653	325	79.48	45	56.332	139	45.15	32	33.89	40	52.15	70	44.826	234	74.37	47
30	53.328	316	79.93	5	56.193	131	45.47	39	33.49	39	52.85	16	44.592	224	74.84	12
Mai 10	53.012	299	79.88	55	56.062	115	45.86	44	33.10	37	53.01	35	44.368	203	74.96	22
20	52.713	272	79.33	104	55.947	95	46.30	49	32.73	34	52.66	86	44.165	173	74.74	55
30	52.441	240	78.29	149	55.852	71	46.79	52	32.39	31	51.80	134	43.992	138	74.19	87
Juni 9	52.201	200	76.80	190	55.781	45	47.31	53	32.08	27	50.46	178	43.854	98	73.32	116
19	52.001	157	74.90	225	55.736	18	47.84	55	31.81	22	48.68	218	43.756	54	72.16	141
29	51.844	107	72.65	255	55.718	11	48.39	53	31.59	17	46.50	250	43.702	9	70.75	163
Juli 9	51.737	55	70.10	276	55.729	40	48.92	49	31.42	10	44.00	275	43.693	37	69.12	181
19	51.682	0	67.34	289	55.769	68	49.41	44	31.32	4	41.25	293	43.730	82	67.31	197
29	51.682	57	64.45	293	55.837	96	49.85	34	31.28	3	38.32	300	43.812	126	65.34	208
Aug. 8	51.739	116	61.52	286	55.933	125	50.19	23	31.31	10	35.32	297	43.938	170	63.26	216
18	51.855	173	58.66	270	56.058	152	50.42	7	31.41	17	32.35	284	44.108	212	61.10	221
28	52.028	231	55.96	243	56.210	179	50.49	11	31.58	23	29.51	261	44.320	252	58.89	223
Sept. 7	52.259	285	53.53	206	56.389	207	50.38	32	31.81	31	26.90	225	44.572	292	56.66	220
17	52.544	335	51.47	160	56.596	232	50.06	55	32.12	37	24.65	182	44.864	329	54.46	215
27	52.879	378	49.87	106	56.828	257	49.51	80	32.49	42	22.83	130	45.193	363	52.31	205
Okt. 7	53.257	415	48.81	46	57.085	281	48.71	104	32.91	46	21.53	70	45.556	395	50.26	192
17	53.672	441	48.35	17	57.366	299	47.67	127	33.37	50	20.83	6	45.951	421	48.34	173
27	54.113	455	48.52	82	57.665	315	46.40	148	33.87	52	20.77	59	46.372	442	46.61	151
Nov. 6	54.568	457	49.34	145	57.980	325	44.92	164	34.39	53	21.36	125	46.814	454	45.10	123
16	55.025	444	50.79	206	58.305	325	43.28	176	34.92	51	22.61	188	47.268	457	43.87	91
26	55.469	419	52.85	259	58.630	320	41.52	182	35.43	48	24.49	244	47.725	447	42.96	57
Dez. 6	55.888	378	55.44	304	58.950	303	39.70	182	35.91	43	26.93	294	48.172	426	42.39	19
16	56.266	325	58.48	341	59.253	278	37.88	176	36.34	38	29.87	335	48.598	391	42.20	19
26	56.591	262	61.89	366	59.531	245	36.12	165	36.72	30	33.22	364	48.989	345	42.39	57
36	56.853		65.55		59.776		34.47		37.02		36.86		49.334		42.96	
Mittl. Ort	52.888		58.35		54.417		52.15		33.23		30.19		41.954		67.25	
sec δ, tg δ	1.721		−1.400		1.006		+0.109		2.024		−1.760		1.503		+1.122	
a, *a′*	+1.7		−13.1		+3.2		−13.7		+1.4		−13.8		+4.2		−13.8	
b, *b′*	+0.06		−0.76		0.00		−0.73		+0.08		−0.73		−0.05		−0.72	

Tag	337) α Cancri AR.		337) α Cancri Dekl.		339) 10 Ursae maj. AR.		339) 10 Ursae maj. Dekl.		341) κ Ursae maj. AR.		341) κ Ursae maj. Dekl.		343) α Volantis AR.		343) α Volantis Dekl.	
1934	8h 54m		+12° 6′		8h 56m		+42° 2′		8h 59m		+47° 24′		9h 1m		−66° 7′	
Jan. 1	54.744	230	49.48	123	24.499	290	35.72	45	10.649	316	59.67	72	26.77	30	44.87	376
11	54.974	185	48.25	102	24.789	233	36.17	76	10.965	253	60.39	105	27.07	20	48.63	391
21	55.159	134	47.23	80	25.022	169	36.93	104	11.218	184	61.44	134	27.27	9	52.54	396
31	55.293	82	46.43	57	25.191	102	37.97	124	11.402	111	62.78	154	27.36	1	56.50	390
Feb. 9	55.375	31	45.86	35	25.293	35	39.21	139	11.513	38	64.32	167	27.35	12	60.40	375
19	55.406	17	45.51	17	25.328	28	40.60	146	11.551	30	65.99	173	27.23	20	64.15	351
März 1	55.389	59	45.34	0	25.300	85	42.06	145	11.521	93	67.72	169	27.03	29	67.66	320
11	55.330	93	45.34	13	25.215	131	43.51	136	11.428	144	69.41	157	26.74	36	70.86	282
21	55.237	119	45.47	24	25.084	167	44.87	122	11.284	185	70.98	138	26.38	41	73.68	239
31	55.118	135	45.71	30	24.917	191	46.09	101	11.099	213	72.36	113	25.97	45	76.07	193
Apr. 10	54.983	142	46.01	34	24.726	203	47.10	77	10.886	225	73.49	84	25.52	48	78.00	143
20	54.841	141	46.35	38	24.523	203	47.87	49	10.661	228	74.33	52	25.04	50	79.43	91
30	54.700	133	46.73	38	24.320	193	48.36	21	10.433	219	74.85	18	24.54	49	80.34	37
Mai 10	54.567	116	47.11	38	24.127	174	48.57	10	10.214	198	75.03	16	24.05	47	80.71	16
20	54.451	97	47.49	36	23.953	147	48.47	37	10.016	171	74.87	49	23.58	45	80.55	69
30	54.354	73	47.85	34	23.806	116	48.10	64	9.845	136	74.38	80	23.13	41	79.86	118
Juni 9	54.281	46	48.19	32	23.690	81	47.46	89	9.709	98	73.58	109	22.72	37	78.68	165
19	54.235	18	48.51	28	23.609	42	46.57	112	9.611	56	72.49	134	22.35	31	77.03	208
29	54.217	11	48.79	23	23.567	2	45.45	132	9.555	12	71.15	157	22.04	24	74.95	243
Juli 9	54.228	40	49.02	16	23.565	38	44.13	149	9.543	32	69.58	176	21.80	17	72.52	271
19	54.268	69	49.18	9	23.603	78	42.64	164	9.575	76	67.82	192	21.63	9	69.81	293
29	54.337	97	49.27	1	23.681	117	41.00	175	9.651	120	65.90	204	21.54	1	66.88	303
Aug. 8	54.434	126	49.26	13	23.798	156	39.25	185	9.771	162	63.86	213	21.53	8	63.85	303
18	54.560	154	49.13	27	23.954	192	37.40	192	9.933	204	61.73	219	21.61	17	60.82	294
28	54.714	181	48.86	44	24.146	229	35.48	197	10.137	244	59.54	221	21.78	26	57.88	272
Sept. 7	54.895	209	48.42	62	24.375	264	33.51	198	10.381	283	57.33	220	22.04	34	55.16	241
17	55.104	235	47.80	81	24.639	298	31.53	197	10.664	320	55.13	216	22.38	42	52.75	199
27	55.339	261	46.99	101	24.937	332	29.56	192	10.984	355	52.97	207	22.80	49	50.76	148
Okt. 7	55.600	284	45.98	120	25.269	356	27.64	185	11.339	386	50.90	195	23.29	55	49.28	90
17	55.884	304	44.78	138	25.625	382	25.79	172	11.725	414	48.95	177	23.84	59	48.38	26
27	56.188	320	43.40	152	26.007	403	24.07	156	12.139	435	47.18	156	24.43	61	48.12	40
Nov. 6	56.508	330	41.88	162	26.410	414	22.51	134	12.574	448	45.62	129	25.04	62	48.52	107
16	56.838	333	40.26	168	26.824	418	21.17	108	13.022	451	44.33	99	25.66	61	49.59	171
26	57.171	327	38.58	168	27.242	411	20.09	79	13.473	444	43.34	64	26.27	57	51.30	231
Dez. 6	57.498	311	36.90	162	27.653	391	19.30	46	13.917	424	42.70	27	26.84	51	53.61	283
16	57.809	287	35.28	151	28.044	361	18.84	12	14.341	391	42.43	11	27.35	45	56.44	327
26	58.096	253	33.77	135	28.405	318	18.72	23	14.732	346	42.54	49	27.80	36	59.71	360
36	58.349		32.42		28.723		18.95		15.078		43.03		28.16		63.31	
Mittl. Ort	52.816		51.49		21.858		42.85		7.778		67.72		24.56		56.91	
sec δ, tg δ	1.023		+0.215		1.347		+0.902		1.478		+1.088		2.471		−2.260	
a, *a′*	+3.3		−13.9		+3.9		−13.9		+4.1		−14.1		+1.0		−14.3	
b, *b′*	−0.01		− 0.72		−0.04		− 0.72		−0.05		− 0.71		+0.11		− 0.70	

Tag	344) σ² Ursae maj. AR.	Diff.	Dekl.	Diff.	345) λ Argus AR.	Diff.	Dekl.	Diff.
1934	9ʰ 4ᵐ		+67° 23′		9ʰ 5ᵐ		−43° 9′	
Jan. 1	41ˢ.53	50	65″.05	162	35ˢ.628	235	46″.48	351
11	42.03	39	66.67	200	35.863	176	49.99	359
21	42.42	28	68.67	229	36.039	114	53.58	356
31	42.70	16	70.96	248	36.153	51	57.14	344
Feb. 9	42.86	3	73.44	255	36.204	10	60.58	323
19	42.89	9	75.99	252	36.194	67	63.81	297
März 1	42.80	19	78.51	239	36.127	117	66.78	264
11	42.61	28	80.90	214	36.010	159	69.42	227
21	42.33	36	83.04	182	35.851	191	71.69	186
31	41.97	42	84.86	142	35.660	213	73.55	143
Apr. 10	41.55	44	86.28	97	35.447	226	74.98	98
20	41.11	46	87.25	49	35.221	231	75.96	52
30	40.65	44	87.74	1	34.990	226	76.48	6
Mai 10	40.21	42	87.73	49	34.764	215	76.54	39
20	39.79	38	87.24	96	34.549	196	76.15	84
30	39.41	32	86.28	140	34.353	173	75.31	124
Juni 9	39.09	25	84.88	179	34.180	145	74.07	162
19	38.84	18	83.09	214	34.035	113	72.45	195
29	38.66	10	80.95	243	33.922	78	70.50	223
Juli 9	38.56	2	78.52	266	33.844	39	68.27	243
19	38.54	6	75.86	284	33.805	1	65.84	256
29	38.60	14	73.02	296	33.806	44	63.28	261
Aug. 8	38.74	22	70.06	301	33.850	87	60.67	257
18	38.96	30	67.05	302	33.937	132	58.10	243
28	39.26	37	64.03	297	34.069	177	55.67	218
Sept. 7	39.63	45	61.06	286	34.246	221	53.49	186
17	40.08	51	58.20	269	34.467	262	51.63	145
27	40.59	57	55.51	248	34.729	302	50.18	95
Okt. 7	41.16	63	53.03	219	35.031	335	49.23	41
17	41.79	67	50.84	186	35.366	362	48.82	18
27	42.46	70	48.98	149	35.728	382	49.00	77
Nov. 6	43.16	73	47.49	105	36.110	392	49.77	137
16	43.89	72	46.44	59	36.502	389	51.14	192
26	44.61	72	45.85	9	36.891	377	53.06	243
Dez. 6	45.33	67	45.76	40	37.268	351	55.49	285
16	46.00	62	46.16	90	37.619	314	58.34	319
26	46.62	55	47.06	136	37.933	267	61.53	343
36	47.17		48.42		38.200		64.96	
Mittl. Ort	36.78		75.46		33.961		55.33	
sec δ, tg δ	2.603		+2.403		1.371		−0.938	
a, *a′*	+5.3		−14.5		+2.2		−14.5	
b, *b′*	−0.12		− 0.69		+0.05		− 0.69	

Tag	347) ϑ Hydrae AR.	Diff.	Dekl.	Diff.	348) β Argus AR.	Diff.	Dekl.	Diff.
1934	9ʰ 10ᵐ		+2° 35′		9ʰ 12ᵐ		−69° 26′	
Jan. 1	57ˢ.695	235	36″.50	180	31ˢ.31	35	29″.86	368
11	57.930	192	34.70	164	31.66	24	33.54	389
21	58.122	143	33.06	143	31.90	12	37.43	396
31	58.265	93	31.63	120	32.02	0	41.39	395
Feb. 9	58.358	42	30.43	97	32.02	11	45.34	382
19	58.400	4	29.46	74	31.91	22	49.16	362
März 1	58.396	45	28.72	52	31.69	31	52.78	334
11	58.351	81	28.20	32	31.38	40	56.12	298
21	58.270	107	27.88	14	30.98	46	59.10	258
31	58.163	124	27.74	1	30.52	51	61.68	212
Apr. 10	58.039	134	27.75	15	30.01	55	63.80	164
20	57.905	135	27.90	27	29.46	57	65.44	111
30	57.770	129	28.17	37	28.89	57	66.55	58
Mai 10	57.641	118	28.54	46	28.32	57	67.13	5
20	57.523	100	29.00	54	27.75	54	67.18	49
30	57.423	79	29.54	58	27.21	50	66.69	101
Juni 9	57.344	57	30.12	64	26.71	45	65.68	149
19	57.287	31	30.76	66	26.26	39	64.19	194
29	57.256	5	31.42	66	25.87	32	62.25	232
Juli 9	57.251	22	32.08	63	25.55	24	59.93	263
19	57.273	49	32.71	59	25.31	14	57.30	288
29	57.322	76	33.30	50	25.17	5	54.42	302
Aug. 8	57.398	104	33.80	39	25.12	5	51.40	305
18	57.502	133	34.19	22	25.17	15	48.35	300
28	57.635	161	34.41	4	25.32	26	45.35	282
Sept. 7	57.796	189	34.45	19	25.58	36	42.53	253
17	57.985	217	34.26	44	25.94	45	40.00	214
27	58.202	244	33.82	71	26.39	54	37.86	166
Okt. 7	58.446	269	33.11	98	26.93	60	36.20	109
17	58.715	292	32.13	125	27.53	66	35.11	47
27	59.007	310	30.88	149	28.19	69	34.64	19
Nov. 6	59.317	322	29.39	170	28.88	71	34.83	87
16	59.639	327	27.69	186	29.59	69	35.70	152
26	59.966	324	25.83	196	30.28	65	37.22	213
Dez. 6	60.290	311	23.87	200	30.93	60	39.35	268
16	60.601	288	21.87	198	31.53	51	42.03	314
26	60.889	257	19.89	189	32.04	42	45.17	352
36	61.146		18.00		32.46		48.69	
Mittl. Ort	55.935		37.24		29.02		42.58	
sec δ, tg δ	1.001		+0.045		2.848		−2.667	
a, *a′*	+3.1		−14.8		+0.7		−14.9	
b, *b′*	0.00		− 0.67		+0.13		− 0.67	

Tag	350) 83 Cancri AR.		350) 83 Cancri Dekl.		352) 40 Lyncis AR.		352) 40 Lyncis Dekl.		353) ϰ Argus AR.		353) ϰ Argus Dekl.		354) α Hydrae AR.		354) α Hydrae Dekl.	
1934	9h 15m		+17° 58′		9h 17m		+34° 39′		9h 20m		−54° 43′		9h 24m		−8° 22′	
	s		″		s		″		s		″		s		″	
Jan. 1	20.022	254	65.82	100	4.733	288	74.18	$\underline{9}$	5.797	281	30.65	363	22.306	240	16.50	234
11	20.276	209	64.82	75	5.021	238	74.09	22	6.078	211	34.28	379	22.546	197	18.84	224
21	20.485	160	64.07	49	5.259	181	74.31	53	6.289	136	38.07	383	22.743	150	21.08	208
31	20.645	106	63.58	25	5.440	121	74.84	78	6.425	$\underline{59}$	41.90	378	22.893	99	23.16	187
Feb. 9*)	20.751	53	63.33	$\underline{2}$	5.561	60	75.62	99	6.484	15	45.68	362	22.992	50	25.03	164
19	20.804	$\underline{3}$	63.31	17	5.621	$\underline{2}$	76.61	112	6.469	84	49.30	340	23.042	$\underline{3}$	26.67	139
März 1	20.807	42	63.48	32	5.623	51	77.73	119	6.385	146	52.70	310	23.045	38	28.06	114
11	20.765	80	63.80	42	5.572	95	78.92	119	6.239	199	55.80	274	23.007	74	29.20	87
21	20.685	108	64.22	50	5.477	131	80.11	112	6.040	242	58.54	234	22.933	102	30.07	62
31	20.577	129	64.72	53	5.346	155	81.23	101	5.798	273	60.88	189	22.831	121	30.69	38
Apr. 10	20.448	140	65.25	51	5.191	170	82.24	84	5.525	295	62.77	142	22.710	132	31.07	$\underline{15}$
20	20.308	142	65.76	49	5.021	173	83.08	65	5.230	306	64.19	92	22.578	136	31.22	7
30	20.166	137	66.25	43	4.848	167	83.73	42	4.924	306	65.11	$\underline{42}$	22.442	132	31.15	27
Mai 10	20.029	124	66.68	36	4.681	155	84.15	$\underline{19}$	4.618	299	65.53	8	22.310	123	30.88	46
20	19.905	106	67.04	29	4.526	134	84.34	4	4.319	282	65.45	58	22.187	108	30.42	63
30	19.799	85	67.33	20	4.392	109	84.30	27	4.037	259	64.87	106	22.079	91	29.79	78
Juni 9	19.714	60	67.53	12	4.283	81	84.03	49	3.778	229	63.81	149	21.988	70	29.01	92
19	19.654	34	67.65	$\underline{2}$	4.202	49	83.54	71	3.549	192	62.32	190	21.918	47	28.09	103
29	19.620	$\underline{6}$	67.67	7	4.153	$\underline{16}$	82.83	89	3.357	151	60.42	225	21.871	$\underline{22}$	27.06	111
Juli 9	19.614	23	67.60	18	4.137	18	81.94	106	3.206	104	58.17	252	21.849	3	25.95	114
19	19.637	51	67.42	28	4.155	52	80.88	123	3.102	$\underline{52}$	55.65	272	21.852	30	24.81	113
29	19.688	80	67.14	40	4.207	86	79.65	138	3.050	1	52.93	284	21.882	58	23.68	109
Aug. 8	19.768	109	66.74	53	4.293	119	78.27	150	3.051	59	50.09	285	21.940	86	22.59	99
18	19.877	137	66.21	68	4.412	154	76.77	162	3.110	119	47.24	276	22.026	115	21.60	84
28	20.014	167	65.53	82	4.566	187	75.15	171	3.229	178	44.48	257	22.141	144	20.76	62
Sept. 7	20.181	196	64.71	99	4.753	220	73.44	179	3.407	238	41.91	228	22.285	174	20.14	37
17	20.377	225	63.72	114	4.973	253	71.65	185	3.645	294	39.63	188	22.459	205	19.77	$\underline{9}$
27	20.602	253	62.58	130	5.226	285	69.80	188	3.939	346	37.75	140	22.664	235	19.68	26
Okt. 7	20.855	279	61.28	145	5.511	314	67.92	189	4.285	392	36.35	85	22.899	261	19.94	61
17	21.134	304	59.83	157	5.825	341	66.03	184	4.677	429	35.50	$\underline{24}$	23.160	287	20.55	97
27	21.438	323	58.26	166	6.166	363	64.19	176	5.106	456	35.26	40	23.447	307	21.52	131
Nov. 6	21.761	337	56.60	170	6.529	379	62.43	163	5.562	469	35.66	104	23.754	320	22.83	165
16	22.098	343	54.90	170	6.908	386	60.80	144	6.031	468	36.70	166	24.074	328	24.48	192
26	22.441	341	53.20	163	7.294	384	59.36	121	6.499	452	38.36	223	24.402	325	26.40	213
Dez. 6	22.782	329	51.57	152	7.678	372	58.15	93	6.951	423	40.59	274	24.727	314	28.53	229
16	23.111	308	50.05	135	8.050	347	57.22	63	7.374	378	43.33	316	25.041	291	30.82	237
26	23.419	276	48.70	115	8.397	311	56.59	30	7.752	321	46.49	349	25.332	262	33.19	238
36	23.695		47.55		8.708		56.29		8.073		4[illegible].98		25.594		35.57	
Mittl. Ort	18.078		70.09		2.431		81.77		4.088		41.67		20.689		17.88	
sec δ, tg δ	1.051		+0.325		1.216		+0.692		1.732		−1.414		1.011		−0.147	
a, *a′*	+3.4		−15.1		+3.7		−15.2		+1.9		−15.4		+2.9		−15.6	
b, *b′*	−0.02		− 0.66		−0.03		− 0.65		+0.07		− 0.64		+0.01		− 0.63	

*) Bei Stern 353) und 354) lies Feb. 10

Scheinbare Sternörter 1934

Tag	355) *h* Ursae maj. AR.		355) *h* Ursae maj. Dekl.		359) ψ Argus AR.		359) ψ Argus Dekl.		358) ϑ Ursae maj. AR.		358) ϑ Ursae maj. Dekl.		357) *d* Ursae maj. AR.		357) *d* Ursae maj. Dekl.	
1934	9h 26m		+63° 20′		9h 28m		−40° 10′		9h 28m		+51° 58′		9h 28m		+70° 6′	
Jan. 1	24.86 s	47	54.33″	125	7.430 s	258	28.62″	338	30.287 s	369	33.96″	70	45.98 s	59	66.12″	151
11	25.33	39	55.58	167	7.688	204	32.00	348	30.656	306	34.66	109	46.57	49	67.63	194
21	25.72	29	57.25	200	7.892	146	35.48	348	30.962	234	35.75	144	47.06	36	69.57	227
31	26.01	19	59.25	226	8.038	85	38.96	338	31.196	157	37.19	170	47.42	23	71.84	253
Feb. 10	26.20	9	61.51	241	8.123	27	42.34	321	31.353	78	38.89	188	47.65	9	74.37	266
19	26.29	2	63.92	245	8.150	30	45.55	296	31.431	2	40.77	198	47.74	4	77.03	267
März 1	26.27	12	66.37	239	8.120	79	48.51	267	31.433	70	42.75	198	47.70	17	79.70	259
11	26.15	20	68.76	221	8.041	122	51.18	232	31.363	131	44.73	189	47.53	27	82.29	238
21	25.95	27	70.97	196	7.919	155	53.50	195	31.232	181	46.62	170	47.26	37	84.67	208
31	25.68	32	72.93	161	7.764	181	55.45	154	31.051	219	48.32	146	46.89	45	86.75	170
Apr. 10	25.36	36	74.54	122	7.583	197	56.99	111	30.832	243	49.78	115	46.44	49	88.45	126
20	25.00	37	75.76	77	7.386	204	58.10	68	30.589	253	50.93	79	45.95	51	89.71	77
30	24.63	37	76.53	32	7.182	205	58.78	24	30.336	251	51.72	42	45.44	52	90.48	27
Mai 10	24.26	36	76.85	16	6.977	198	59.02	19	30.085	239	52.14	4	44.92	50	90.75	25
20	23.90	33	76.69	62	6.779	184	58.83	62	29.846	215	52.18	35	44.42	46	90.50	76
30	23.57	28	76.07	106	6.595	166	58.21	102	29.631	186	51.83	72	43.96	42	89.74	122
Juni 9	23.29	23	75.01	147	6.429	144	57.19	139	29.445	150	51.11	108	43.54	35	88.52	167
19	23.06	18	73.54	183	6.285	116	55.80	172	29.295	109	50.03	139	43.19	27	86.85	205
29	22.88	12	71.71	216	6.169	86	54.08	201	29.186	65	48.64	168	42.92	19	84.80	240
Juli 9	22.76	5	69.55	243	6.083	52	52.07	223	29.121	20	46.96	193	42.73	10	82.40	268
19	22.71	2	67.12	264	6.031	17	49.84	238	29.101	27	45.03	215	42.63	2	79.72	291
29	22.73	8	64.48	281	6.014	22	47.46	245	29.128	73	42.88	231	42.61	8	76.81	307
Aug. 8	22.81	15	61.67	293	6.036	62	45.01	243	29.201	121	40.57	245	42.69	17	73.74	317
18	22.96	22	58.74	298	6.098	104	42.58	233	29.322	168	38.12	253	42.86	25	70.57	322
28	23.18	28	55.76	298	6.202	147	40.25	214	29.490	213	35.59	259	43.11	34	67.35	320
Sept. 7	23.46	34	52.78	293	6.349	191	38.11	184	29.703	259	33.00	260	43.45	43	64.15	312
17	23.80	41	49.85	282	6.540	233	36.27	146	29.962	304	30.40	255	43.88	51	61.03	297
27	24.21	46	47.03	266	6.773	273	34.81	102	30.266	346	27.85	247	44.39	59	58.06	278
Okt. 7	24.67	52	44.37	243	7.046	310	33.79	50	30.612	386	25.38	234	44.98	65	55.28	250
17	25.19	56	41.94	216	7.356	341	33.29	6	30.998	421	23.04	215	45.63	71	52.78	219
27	25.75	59	39.78	182	7.697	365	33.35	63	31.419	452	20.89	191	46.34	75	50.59	180
Nov. 6	26.34	62	37.96	143	8.062	380	33.98	121	31.871	472	18.98	161	47.09	79	48.79	136
16	26.96	64	36.53	99	8.442	384	35.19	176	32.343	484	17.37	126	47.88	81	47.43	88
26	27.60	63	35.54	51	8.826	377	36.95	225	32.827	483	16.11	87	48.69	80	46.55	36
Dez. 6	28.23	61	35.03	2	9.203	359	39.20	269	33.310	469	15.24	45	49.49	77	46.19	17
16	28.84	57	35.01	48	9.562	328	41.89	303	33.779	441	14.79	1	50.26	72	46.36	71
26	29.41	51	35.49	97	9.890	287	44.92	328	34.220	397	14.78	42	50.98	64	47.07	121
36	29.92		36.46		10.177		48.20		34.617		15.20		51.62		48.28	
Mittl. Ort	20.89		66.54		5.899		37.15		27.321		45.14		40.91		79.05	
sec δ, tg δ	2.230		+1.993		1.309		−0.844		1.624		+1.279		2.941		+2.766	
a, *a*′	+4.7		−15.7		+2.4		−15.8		+4.1		−15.8		+5.3		−15.8	
b, *b*′	−0.10		−0.62		+0.04		−0.62		−0.07		−0.61		−0.15		−0.61	

Tag	360) 10 Leonis min. AR.		360) Dekl.		366) ϑ Antliae AR.		366) Dekl.		367) ε Leonis AR.		367) Dekl.		369) υ Argus AR.		369) Dekl.	
1934	$9^h 30^m$		$+36° 41'$		$9^h 41^m$		$-27° 27'$		$9^h 42^m$		$+24° 4'$		$9^h 45^m$		$-64° 45'$	
Jan. 1	13.544	307	20.97	7	16.956	259	53.87	303	8.499	285	37.26	81	28.90	39	42.59	352
11	13.851	256	20.90	27	17.215	213	56.90	307	8.784	242	36.45	51	29.29	30	46.11	378
21	14.107	199	21.17	59	17.428	162	59.97	302	9.026	192	35.94	21	29.59	20	49.89	391
31	14.306	139	21.76	87	17.590	109	62.99	288	9.218	139	35.73	6	29.79	11	53.80	395
Feb. 10	14.445	77	22.63	108	17.699	56	65.87	270	9.357	84	35.79	32	29.90	1	57.75	388
19	[13] 14.522	16	23.71	124	[16] 17.755	6	68.57	246	[16] 9.441	31	36.11	53	[17] 29.91	8	61.63	374
März 1	14.538	38	24.95	132	17.761	40	71.03	217	9.472	18	36.64	68	29.83	17	65.37	350
11	14.500	86	26.27	133	17.721	78	73.20	186	9.454	60	37.32	79	29.66	24	68.87	319
21	14.414	123	27.60	126	17.643	110	75.06	153	9.394	94	38.11	82	29.42	30	72.06	283
31	14.291	152	28.86	114	17.533	133	76.59	118	9.300	119	38.93	83	29.12	35	74.89	241
Apr. 10	14.139	168	30.00	97	17.400	149	77.77	82	9.181	135	39.76	77	28.77	39	77.30	196
20	13.971	175	30.97	76	17.251	156	78.59	47	9.046	142	40.53	69	28.38	42	79.26	146
30	13.796	173	31.73	52	17.095	157	79.06	12	8.904	141	41.22	57	27.96	43	80.72	95
Mai 10	13.623	162	32.25	26	16.938	152	79.18	24	8.763	134	41.79	44	27.53	43	81.67	42
20	13.461	144	32.51	0	16.786	141	78.94	57	8.629	120	42.23	30	27.10	42	82.09	11
30	13.317	121	32.51	25	16.645	126	78.37	88	8.509	102	42.53	13	26.68	40	81.98	63
Juni 9	13.196	93	32.26	50	16.519	107	77.49	118	8.407	80	42.66	3	26.28	37	81.35	113
19	13.103	63	31.76	74	16.412	85	76.31	143	8.327	56	42.63	17	25.91	33	80.22	160
29	13.040	31	31.02	95	16.327	61	74.88	164	8.271	30	42.46	33	25.58	28	78.62	201
Juli 9	13.009	3	30.07	115	16.266	34	73.24	181	8.241	2	42.13	48	25.30	23	76.61	237
19	13.012	36	28.92	134	16.232	6	71.43	190	8.239	26	41.65	64	25.07	16	74.24	266
29	13.048	71	27.58	150	16.226	26	69.53	195	8.265	54	41.01	79	24.91	8	71.58	285
Aug. 8	13.119	106	26.08	164	16.252	58	67.58	191	8.319	84	40.22	94	24.83	1	68.73	296
18	13.225	140	24.44	177	16.310	92	65.67	179	8.403	114	39.28	109	24.82	7	65.77	296
28	13.365	175	22.67	188	16.402	128	63.88	161	8.517	145	38.19	125	24.89	16	62.81	285
Sept. 7	13.540	210	20.79	196	16.530	165	62.27	134	8.662	176	36.94	139	25.05	25	59.96	262
17	13.750	245	18.83	201	16.695	201	60.93	99	8.838	208	35.55	153	25.30	33	57.34	230
27	13.995	279	16.82	205	16.896	237	59.94	60	9.046	241	34.02	166	25.63	41	55.04	186
Okt. 7	14.274	311	14.77	203	17.133	270	59.34	14	9.287	271	32.36	176	26.04	48	53.18	135
17	14.585	340	12.74	198	17.403	301	59.20	35	9.558	299	30.60	184	26.52	53	51.83	76
27	14.925	365	10.76	189	17.704	324	59.55	84	9.857	324	28.76	187	27.05	57	51.07	13
Nov. 6	15.290	384	8.87	174	18.028	342	60.39	132	10.181	343	26.89	186	27.62	61	50.94	53
16	15.674	394	7.13	154	18.370	351	61.71	179	10.524	355	25.03	179	28.23	61	51.47	120
26	16.068	395	5.59	128	18.721	349	63.50	219	10.879	358	23.24	166	28.84	59	52.67	181
Dez. 6	16.463	384	4.31	98	19.070	337	65.69	254	11.237	351	21.58	149	29.43	56	54.48	240
16	16.847	363	3.33	65	19.407	315	68.23	280	11.588	333	20.09	126	29.99	51	56.88	290
26	17.210	329	2.68	30	19.722	281	71.03	297	11.921	305	18.83	99	30.50	44	59.78	331
36	17.539		2.38		20.003		74.00		12.226		17.84		30.94		63.09	
Mittl. Ort	11.245		29.90		15.498		59.60		6.561		44.41		27.18		55.59	
sec δ, tg δ	1.247		+0.745		1.127		−0.520		1.095		+0.447		2.346		−2.122	
a, a'	+3.7		−15.9		+2.7		−16.5		+3.4		−16.5		+1.5		−16.7	
b, b'	−0.04		−0.61		+0.03		−0.57		−0.02		−0.57		+0.12		−0.55	

Tag	368) υ Ursae maj. AR.		Dekl.		370) 6 Sextantis AR.		Dekl.	
1934	9h 46m		+59° 20′		9h 47m		−3° 55′	
Jan. 1	22.239	450	47.42	87	56.081	260	60.24	217
11	22.689	380	48.29	132	56.341	220	62.41	206
21	23.069	299	49.61	171	56.561	175	64.47	187
31	23.368	209	51.32	201	56.736	126	66.34	167
Feb. 10	23.577	116	53.33	222	56.862	76	68.01	142
19	23.693	24	55.55	232	56.938	30	69.43	118
März 1	23.717	63	57.87	233	56.968	14	70.61	93
11	23.654	139	60.20	223	56.954	51	71.54	69
21	23.515	205	62.43	203	56.903	81	72.23	46
31	23.310	256	64.46	175	56.822	103	72.69	25
Apr. 10	23.054	292	66.21	140	56.719	117	72.94	6
20	22.762	311	67.61	101	56.602	124	73.00	12
30	22.451	317	68.62	57	56.478	125	72.88	28
Mai 10	22.134	308	69.19	13	56.353	119	72.60	42
20	21.826	288	69.32	31	56.234	108	72.18	55
30	21.538	258	69.01	75	56.126	94	71.63	66
Juni 9	21.280	219	68.26	116	56.032	76	70.97	75
19	21.061	174	67.10	155	55.956	56	70.22	82
29	20.887	125	65.55	188	55.900	35	69.40	86
Juli 9	20.762	71	63.67	217	55.865	12	68.54	88
19	20.691	16	61.50	244	55.853	13	67.66	86
29	20.675	40	59.06	264	55.866	39	66.80	80
Aug. 8	20.715	97	56.42	279	55.905	65	66.00	69
18	20.812	155	53.63	290	55.970	94	65.31	55
28	20.967	213	50.73	295	56.064	123	64.76	36
Sept. 7	21.180	270	47.78	295	56.187	154	64.40	13
17	21.450	325	44.83	290	56.341	186	64.27	15
27	21.775	380	41.93	279	56.527	216	64.42	44
Okt. 7	22.155	430	39.14	262	56.743	247	64.86	76
17	22.585	476	36.52	239	56.990	275	65.62	108
27	23.061	514	34.13	210	57.265	299	66.70	138
Nov. 6	23.575	545	32.03	175	57.564	316	68.08	167
16	24.120	563	30.28	135	57.880	328	69.75	191
26	24.683	567	28.93	90	58.208	331	71.66	208
Dez. 6	25.250	555	28.03	41	58.539	323	73.74	221
16	25.805	527	27.62	8	58.862	306	75.95	224
26	26.332	481	27.70	58	59.168	280	78.19	223
36	26.813		28.28		59.448		80.42	
Mittl. Ort	18.864		61.04		54.529		59.83	
sec δ, tg δ	1.962		+1.688		1.002		−0.069	
a, a′	+4.3		−16.7		+3.0		−16.8	
b, b′	−0.09		−0.55		0.00		−0.54	

Tag	372) Grb 1586 AR.		Dekl.		378) π Leonis AR.		Dekl.	
1934	9h 52m		+73° 11′		9h 56m		+8° 21′	
Jan. 1	37.10	73	25.10	137	45.301	274	37.88	165
11	37.83	61	26.47	184	45.575	236	36.23	144
21	38.44	48	28.31	224	45.811	190	34.79	120
31	38.92	33	30.55	254	46.001	141	33.59	94
Feb. 10	39.25	17	33.09	273	46.142	92	32.65	69
19	39.42	1	35.82	280	46.234	42	31.96	44
März 1	39.43	13	38.62	276	46.276	1	31.52	21
11	39.30	28	41.38	258	46.275	42	31.31	3
21	39.02	39	43.96	233	46.233	72	31.28	14
31	38.63	49	46.29	196	46.161	97	31.42	26
Apr. 10	38.14	55	48.25	153	46.064	113	31.68	36
20	37.59	61	49.78	104	45.951	121	32.04	42
30	36.98	62	50.82	53	45.830	123	32.46	47
Mai 10	36.36	61	51.35	1	45.707	118	32.93	49
20	35.75	59	51.34	53	45.589	107	33.42	49
30	35.16	54	50.81	104	45.482	94	33.91	48
Juni 9	34.62	48	49.77	153	45.388	78	34.39	46
19	34.14	40	48.24	195	45.310	57	34.85	43
29	33.74	31	46.29	235	45.253	36	35.28	36
Juli 9	33.43	21	43.94	267	45.217	14	35.64	30
19	33.22	12	41.27	295	45.203	11	35.94	22
29	33.10	2	38.32	316	45.214	36	36.16	10
Aug. 8	33.08	10	35.16	330	45.250	62	36.26	3
18	33.18	20	31.86	339	45.312	90	36.23	19
28	33.38	31	28.47	340	45.402	119	36.04	36
Sept. 7	33.69	41	25.07	336	45.521	150	35.68	58
17	34.10	51	21.71	324	45.671	181	35.10	79
27	34.61	60	18.47	306	45.852	212	34.31	103
Okt. 7	35.21	70	15.41	281	46.064	244	33.28	125
17	35.91	77	12.60	249	46.308	272	32.03	148
27	36.68	83	10.11	211	46.580	299	30.55	166
Nov. 6	37.51	89	8.00	166	46.879	318	28.89	183
16	38.40	91	6.34	117	47.197	331	27.06	193
26	39.31	92	5.17	64	47.528	337	25.13	198
Dez. 6	40.23	90	4.53	7	47.865	332	23.15	197
16	41.13	86	4.46	49	48.197	316	21.18	189
26	41.99	78	4.95	104	48.513	292	19.29	176
36	42.77		5.99		48.805		17.53	
Mittl. Ort	31.57		40.44		43.667		41.90	
sec δ, tg δ	3.459		+3.311		1.011		+0.147	
a, a′	+5.4		−17.0		+3.2		−17.2	
b, b′	−0.19		−0.53		−0.01		−0.51	

Tag	379) η Leonis AR.		379) η Leonis Dekl.		380) α Leonis AR.		380) α Leonis Dekl.		381) λ Hydrae AR.		381) λ Hydrae Dekl.		382) q Velorum AR.		382) q Velorum Dekl.	
1934	$10^h\ 3^m$		$+17°\ 4'$		$10^h\ 4^m$		$+12°\ 16'$		$10^h\ 7^m$		$-12°\ 1'$		$10^h\ 11^m$		$-41°\ 47'$	
Jan. 1	$45^s.959$	289	$60''.11$	127	$53^s.223$	283	$80''.11$	150	$23^s.641$	273	$36''.44$	250	$58^s.926$	311	$30''.60$	323
11	46.248	250	58.84	100	53.506	245	78.61	126	23.914	235	38.94	245	59.237	262	33.83	339
21	46.498	204	57.84	71	53.751	200	77.35	100	24.149	190	41.39	232	59.499	206	37.22	347
31	46.702	155	57.13	43	53.951	152	76.35	72	24.339	142	43.71	215	59.705	148	40.69	345
Feb. 10	46.857	102	56.70	15	54.103	101	75.63	45	24.481	94	45.86	193	59.853	88	44.14	334
20	46.959	53	56.55	10	54.204	52	75.18	20	24.575	45	47.79	169	59.941	31	47.48	317
März 1	$_{21}$47.012	5	56.65	29	$_{22}$54.256	5	74.98	1	$_{22}$24.620	2	49.48	143	$_{23}$59.972	23	50.65	293
11	47.017	36	56.94	46	54.261	34	74.99	20	24.622	37	50.91	117	59.949	69	53.58	264
21	46.981	70	57.40	57	54.227	68	75.19	34	24.585	69	52.08	90	59.880	109	56.22	230
31	46.911	97	57.97	64	54.159	93	75.53	44	24.516	93	52.98	64	59.771	142	58.52	193
Apr. 10	46.814	114	58.61	66	54.066	110	75.97	50	24.423	110	53.62	39	59.629	165	60.45	154
20	46.700	125	59.27	65	53.956	120	76.47	54	24.313	120	54.01	15	59.464	181	61.99	113
30	46.575	127	59.92	60	53.836	123	77.01	53	24.193	124	54.16	8	59.283	190	63.12	70
Mai 10	46.448	123	60.52	54	53.713	120	77.54	53	24.069	122	54.08	29	59.093	192	63.82	26
20	46.325	114	61.06	45	53.593	111	78.07	49	23.947	115	53.79	49	58.901	189	64.08	16
30	46.211	101	61.51	36	53.482	97	78.56	44	23.832	103	53.30	67	58.712	179	63.92	58
Juni 9	46.110	84	61.87	25	53.385	82	79.00	37	23.729	90	52.63	83	58.533	164	63.34	98
19	46.026	64	62.12	13	53.303	63	79.37	29	23.639	73	51.80	97	58.369	146	62.36	135
29	45.962	42	62.25	1	53.240	42	79.66	21	23.566	54	50.83	108	58.223	123	61.01	168
Juli 9	45.920	19	62.26	11	53.198	20	79.87	12	23.512	32	49.75	115	58.100	95	59.33	195
19	45.901	6	62.15	25	53.178	4	79.99	0	23.480	10	48.60	118	58.005	65	57.38	218
29	45.907	31	61.90	40	53.182	29	79.99	12	23.470	16	47.42	117	57.940	29	55.20	231
Aug. 8	45.938	58	61.50	55	53.211	55	79.87	27	23.486	42	46.25	110	57.911	9	52.89	238
18	45.996	87	60.95	72	53.266	83	79.60	44	23.528	72	45.15	97	57.920	51	50.51	235
28	46.083	117	60.23	89	53.349	113	79.16	61	23.600	102	44.18	80	57.971	96	48.16	223
Sept. 7	46.200	147	59.34	108	53.462	143	78.55	81	23.702	135	43.38	57	58.067	143	45.93	203
17	46.347	180	58.26	126	53.605	175	77.74	102	23.837	168	42.81	28	58.210	191	43.90	172
27	46.527	213	57.00	145	53.780	208	76.72	123	24.005	203	42.53	4	58.401	237	42.18	133
Okt. 7	46.740	245	55.55	162	53.988	239	75.49	143	24.208	236	42.57	40	58.638	283	40.85	87
17	46.985	276	53.93	175	54.227	270	74.06	161	24.444	267	42.97	77	58.921	323	39.98	35
27	47.261	302	52.18	188	54.497	297	72.45	177	24.711	295	43.74	115	59.244	357	39.63	21
Nov. 6	47.563	325	50.30	193	54.794	319	70.68	190	25.006	316	44.89	150	59.601	382	39.84	78
16	47.888	340	48.37	196	55.113	333	68.78	196	25.322	331	46.39	183	59.983	397	40.62	133
26	48.228	347	46.41	190	55.446	341	66.82	196	25.653	335	48.22	210	60.380	401	41.95	187
Dez. 6	48.575	344	44.51	181	55.787	337	64.86	192	25.988	331	50.32	230	60.781	391	43.82	235
16	48.919	330	42.70	164	56.124	324	62.94	179	26.319	317	52.62	244	61.172	370	46.17	275
26	49.249	306	41.06	142	56.448	300	61.15	163	26.636	291	55.06	250	61.542	335	48.92	307
36	49.555		39.64		56.748		59.52		26.927		57.56		61.877		51.99	
Mittl. Ort	44.243		66.76		51.578		85.54		22.238		37.73		57.648		39.65	
sec δ, tg δ	1.046		+0.307		1.023		+0.218		1.022		−0.213		1.341		−0.894	
a, *a'*	+3.3		−17.5		+3.2		−17.6		+2.9		−17.7		+2.5		−17.9	
b, *b'*	−0.02		−0.49		−0.01		−0.48		+0.01		−0.47		+0.05		−0.45	

Tag	384) ζ Leonis AR.		384) ζ Leonis Dekl.		383) λ Ursae maj. AR.		383) λ Ursae maj. Dekl.		386) μ Ursae maj. AR.		386) μ Ursae maj. Dekl.		387) 30 H. Ursae maj. AR.		387) 30 H. Ursae maj. Dekl.	
1934	10ʰ 13ᵐ		+23° 44′		10ʰ 13ᵐ		+43° 14′		10ʰ 18ᵐ		+41° 49′		10ʰ 19ᵐ		+65° 53′	
Jan. 1	3.202	306	40.18	101	9.770	364	27.35	11	26.512	362	42.03	21	27.47	58	46.75	79
11	3.508	268	39.17	69	10.134	318	27.24	32	26.874	317	41.82	21	28.05	51	47.54	131
21	3.776	221	38.48	36	10.452	263	27.56	73	27.191	264	42.03	62	28.56	41	48.85	176
31	3.997	170	38.12	5	10.715	199	28.29	109	27.455	203	42.65	99	28.97	31	50.61	213
Feb. 10	4.167	116	38.07	24	10.914	135	29.38	137	27.658	140	43.64	129	29.28	21	52.74	241
20	4.283	64	38.31	49	11.049	68	30.75	160	27.798	74	44.93	152	29.49	9	55.15	259
März 1	4.347	14	38.80	69	11.117	6	32.35	172	27.872	14	46.45	166	29.58	2	57.74	263
11	4.361	30	39.49	83	11.123	50	34.07	177	27.886	41	48.11	173	29.56	12	60.37	258
21	4.331	67	40.32	91	11.073	99	35.84	173	27.845	90	49.84	170	29.44	21	62.95	240
31	4.264	96	41.23	93	10.974	137	37.57	161	27.755	127	51.54	160	29.23	29	65.35	215
Apr. 10	4.168	117	42.16	90	10.837	165	39.18	141	27.628	156	53.14	143	28.94	34	67.50	179
20	4.051	129	43.06	84	10.672	182	40.59	117	27.472	173	54.57	120	28.60	39	69.29	139
30	3.922	133	43.90	73	10.490	190	41.76	89	27.299	182	55.77	93	28.21	40	70.68	92
Mai 10	3.789	132	44.63	60	10.300	189	42.65	57	27.117	182	56.70	62	27.81	41	71.60	44
20	3.657	123	45.23	44	10.111	179	43.22	24	26.935	173	57.32	31	27.40	40	72.04	5
30	3.534	111	45.67	28	9.932	163	43.46	9	26.762	159	57.63	2	27.00	37	71.99	55
Juni 9	3.423	94	45.95	11	9.769	142	43.37	44	26.603	139	57.61	35	26.63	34	71.44	103
19	3.329	75	46.06	7	9.627	116	42.93	75	26.464	116	57.26	66	26.29	29	70.41	147
29	3.254	53	45.99	24	9.511	87	42.18	105	26.348	88	56.60	97	26.00	25	68.94	188
Juli 9	3.201	29	45.75	42	9.424	56	41.13	134	26.260	58	55.63	124	25.75	18	67.06	224
19	3.172	4	45.33	59	9.368	22	39.79	160	26.202	26	54.39	151	25.57	12	64.82	257
29	3.168	22	44.74	78	9.346	13	38.19	182	26.176	7	52.88	175	25.45	5	62.25	283
Aug. 8	3.190	50	43.96	95	9.359	49	36.37	204	26.183	43	51.13	195	25.40	2	59.42	304
18	3.240	79	43.01	113	9.408	88	34.33	220	26.226	80	49.18	213	25.42	9	56.38	320
28	3.319	111	41.88	130	9.496	127	32.13	235	26.306	118	47.05	229	25.51	17	53.18	329
Sept. 7	3.430	143	40.58	147	9.623	167	29.78	245	26.424	157	44.76	241	25.68	24	49.89	332
17	3.573	176	39.11	163	9.790	209	27.33	253	26.581	199	42.35	249	25.92	31	46.57	329
27	3.749	212	37.48	178	9.999	251	24.80	255	26.780	240	39.86	254	26.23	39	43.28	319
Okt. 7	3.961	245	35.70	190	10.250	291	22.25	254	27.020	280	37.32	253	26.62	45	40.09	303
17	4.206	279	33.80	199	10.541	330	19.71	246	27.300	320	34.79	248	27.07	52	37.06	280
27	4.485	307	31.81	205	10.871	365	17.25	234	27.620	355	32.31	236	27.59	57	34.26	249
Nov. 6	4.792	332	29.76	205	11.236	394	14.91	214	27.975	384	29.95	219	28.16	63	31.77	211
16	5.124	350	27.71	199	11.630	415	12.77	189	28.359	405	27.76	195	28.79	66	29.66	168
26	5.474	359	25.72	188	12.045	425	10.88	157	28.764	418	25.81	166	29.45	67	27.98	120
Dez. 6	5.833	357	23.84	171	12.470	425	9.31	122	29.182	418	24.15	130	30.12	68	26.78	66
16	6.190	346	22.13	147	12.895	410	8.09	80	29.600	406	22.85	91	30.80	65	26.12	10
26	6.536	322	20.66	120	13.305	384	7.29	38	30.006	380	21.94	48	31.45	61	26.02	45
36	6.858		19.46		13.689		6.91		30.386		21.46		32.06		26.47	
Mittl. Ort	1.425		49.03		7.506		40.61		24.332		55.38		23.74		63.84	
sec δ, tg δ	1.092		+0.440		1.373		+0.941		1.342		+0.895		2.449		+2.236	
a, *a′*	+3.3		−17.9		+3.6		−17.9		+3.6		−18.1		+4.3		−18.1	
b, *b′*	−0.03		−0.45		−0.06		−0.45		−0.05		−0.43		−0.13		−0.42	

Tag	389) μ Hydrae AR.	Diff.	389) μ Hydrae Dekl.	Diff.	391) J Carinae AR.	Diff.	391) J Carinae Dekl.	Diff.	390) 31 Leonis min. AR.	Diff.	390) 31 Leonis min. Dekl.	Diff.	392) Lac. α Antliae AR.	Diff.	392) Lac. α Antliae Dekl.	Diff.
1934	10h 22m		−16° 29′		10h 23m		−73° 41′		10h 24m		+37° 2′		10h 24m		−30° 43′	
Jan. 1	55.173	287	53.55	263	6.83	64	28.16	316	6.443	348	33.15	49	8.981	301	46.12	299
11	55.460	248	56.18	262	7.47	53	31.32	352	6.791	306	32.66	7	9.282	259	49.11	308
21	55.708	205	58.80	254	8.00	39	34.84	378	7.097	256	32.59	33	9.541	211	52.19	310
31	55.913	158	61.34	239	8.39	25	38.62	394	7.353	200	32.92	68	9.752	160	55.29	304
Feb. 10	56.071	108	63.73	220	8.64	12	42.56	399	7.553	140	33.60	101	9.912	107	58.33	290
20	56.179	61	65.93	196	8.76	1	46.55	395	7.693	80	34.61	125	10.019	56	61.23	271
März 1	[26] 56.240	16	67.89	172	[26] 8.75	15	50.50	383	[26] 7.773	23	35.86	143	[26] 10.075	8	63.94	247
11	56.256	24	69.61	144	8.60	26	54.33	361	7.796	29	37.29	152	10.083	36	66.41	219
21	56.232	57	71.05	117	8.34	36	57.94	333	7.767	74	38.81	153	10.047	71	68.60	188
31	56.175	84	72.22	89	7.98	45	61.27	299	7.693	110	40.34	147	9.976	100	70.48	155
Apr. 10	56.091	103	73.11	61	7.53	54	64.26	258	7.583	136	41.81	135	9.876	123	72.03	120
20	55.988	115	73.72	35	6.99	59	66.84	212	7.447	154	43.16	117	9.753	137	73.23	85
30	55.873	122	74.07	9	6.40	63	68.96	164	7.293	163	44.33	93	9.616	145	74.08	49
Mai 10	55.751	122	74.16	16	5.77	67	70.60	112	7.130	162	45.26	69	9.471	149	74.57	13
20	55.629	118	74.00	40	5.10	67	71.72	58	6.968	157	45.95	40	9.322	145	74.70	22
30	55.511	111	73.60	62	4.43	67	72.30	3	6.811	143	46.35	11	9.177	138	74.48	56
Juni 9	55.400	98	72.98	82	3.76	64	72.33	51	6.668	127	46.46	18	9.039	128	73.92	88
19	55.302	85	72.16	99	3.12	61	71.82	104	6.541	105	46.28	46	8.911	112	73.04	117
29	55.217	67	71.17	114	2.51	55	70.78	152	6.436	82	45.82	75	8.799	94	71.87	144
Juli 9	55.150	48	70.03	125	1.96	47	69.26	197	6.354	54	45.07	101	8.705	72	70.43	164
19	55.102	26	68.78	131	1.49	39	67.29	234	6.300	26	44.06	126	8.633	48	68.79	181
29	55.076	1	67.47	133	1.10	29	64.95	266	6.274	4	42.80	149	8.585	19	66.98	190
Aug. 8	55.075	25	66.14	130	0.81	17	62.29	287	6.278	36	41.31	170	8.566	11	65.08	194
18	55.100	55	64.84	119	0.64	5	59.42	300	6.314	71	39.61	188	8.577	46	63.14	188
28	55.155	86	63.65	104	0.59	9	56.42	300	6.385	106	37.73	206	8.623	83	61.26	177
Sept. 7	55.241	120	62.61	81	0.68	23	53.42	290	6.491	143	35.67	220	8.706	122	59.49	155
17	55.361	156	61.80	54	0.91	36	50.52	269	6.634	181	33.47	232	8.828	163	57.94	126
27	55.517	193	61.26	20	1.27	49	47.83	235	6.815	221	31.15	239	8.991	205	56.68	91
Okt. 7	55.710	228	61.06	16	1.76	61	45.48	192	7.036	261	28.76	243	9.196	245	55.77	49
17	55.938	261	61.22	55	2.37	71	43.56	140	7.297	298	26.33	241	9.441	283	55.28	3
27	56.199	292	61.77	96	3.08	80	42.16	80	7.595	332	23.92	236	9.724	315	55.25	47
Nov. 6	56.491	317	62.73	135	3.88	85	41.36	16	7.927	362	21.56	222	10.039	342	55.72	97
16	56.808	333	64.08	172	4.73	88	41.20	50	8.289	383	19.34	204	10.381	359	56.69	146
26	57.141	341	65.80	204	5.61	88	41.70	117	8.672	396	17.30	179	10.740	366	58.15	191
Dez. 6	57.482	339	67.84	230	6.49	85	42.87	179	9.068	397	15.51	148	11.106	362	60.06	230
16	57.821	327	70.14	248	7.34	79	44.66	238	9.465	387	14.03	113	11.468	347	62.36	262
26	58.148	303	72.62	260	8.13	71	47.04	288	9.852	364	12.90	73	11.815	320	64.98	287
36	58.451		75.22		8.84		49.92		10.216		12.17		12.135		67.85	
Mittl. Ort	53.874		55.78		5.28		42.86		4.442		45.85		7.754		52.35	
sec δ, tg δ	1.043		−0.296		3.562		−3.419		1.253		+0.755		1.163		−0.594	
a, *a′*	+2.9		−18.3		+1.2		−18.3		+3.5		−18.3		+2.8		−18.3	
b, *b′*	+0.02		−0.41		+0.21		−0.41		−0.05		−0.41		+0.04		−0.41	

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Tag	393) *s* Carinae AR.		393) Dekl.		394) 36 Ursae maj. AR.		394) Dekl.		395) 9 H. Draconis AR.		395) Dekl.		404) 33 Sextantis AR.		404) Dekl.	
1934	$10^h 25^m$		−58° 23′		$10^h 26^m$		+56° 18′		$10^h 29^m$		+76° 2′		$10^h 38^m$		−1° 23′	
Jan. 1	28.304	405	54.88	325	27.807	460	54.50	33	38.04	93	55.33	102	4.099	295	41.70	214
11	28.709	340	58.13	354	28.267	405	54.83	83	38.97	81	56.35	157	4.394	261	43.84	201
21	29.049	268	61.67	372	28.672	338	55.66	129	39.78	67	57.92	205	4.655	221	45.85	182
31	29.317	190	65.39	382	29.010	261	56.95	168	40.45	50	59.97	243	4.876	175	47.67	160
Feb. 10	29.507	111	69.21	382	29.271	178	58.63	199	40.95	33	62.40	271	5.051	129	49.27	135
20	29.618	35	73.03	371	29.449	94	60.62	221	41.28	15	65.11	287	5.180	81	50.62	109
März 1*)	[27] 29.653	37	76.74	355	[27] 29.543	13	62.83	231	[28] 41.43	4	67.98	292	[2] 5.261	37	51.71	84
11	29.616	103	80.29	329	29.556	63	65.14	232	41.39	21	70.90	283	5.298	2	52.55	60
21	29.513	159	83.58	298	29.493	130	67.46	222	41.18	37	73.73	263	5.296	37	53.15	37
31	29.354	208	86.56	262	29.363	184	69.68	203	40.81	50	76.36	232	5.259	64	53.52	17
Apr. 10	29.146	246	89.18	221	29.179	226	71.71	177	40.31	61	78.68	194	5.195	85	53.69	
20	28.900	276	91.39	176	28.953	255	73.48	142	39.70	69	80.62	148	5.110	100	53.69	16
30	28.624	295	93.15	128	28.698	272	74.90	104	39.01	74	82.10	96	5.010	105	53.53	29
Mai 10	28.329	307	94.43	80	28.426	276	75.94	62	38.27	76	83.06	44	4.905	109	53.24	40
20	28.022	310	95.23	28	28.150	269	76.56	19	37.51	75	83.50	12	4.796	106	52.84	49
30	27.712	303	95.51	22	27.881	253	76.75	25	36.76	72	83.38	66	4.690	99	52.35	57
Juni 9	27.409	291	95.29	71	27.628	228	76.50	68	36.04	67	82.72	118	4.591	90	51.78	62
19	27.118	269	94.58	118	27.400	198	75.82	109	35.37	60	81.54	167	4.501	78	51.16	66
29	26.849	240	93.40	161	27.202	160	74.73	148	34.77	51	79.87	213	4.423	62	50.50	68
Juli 9	26.609	203	91.79	200	27.042	120	73.25	183	34.26	42	77.74	251	4.361	45	49.82	67
19	26.406	160	89.79	232	26.922	77	71.42	215	33.84	31	75.23	286	4.316	26	49.15	63
29	26.246	108	87.47	257	26.845	29	69.27	241	33.53	18	72.37	314	4.290	5	48.52	57
Aug. 8	26.138	52	84.90	273	26.816	19	66.86	265	33.35	6	69.23	335	4.285	20	47.95	47
18	26.086	11	82.17	280	26.835	71	64.21	283	33.29	6	65.88	351	4.305	45	47.48	33
28	26.097	79	79.37	275	26.906	124	61.38	296	33.35	18	62.37	359	4.350	75	47.15	16
Sept. 7	26.176	149	76.62	261	27.030	177	58.42	304	33.53	32	58.78	360	4.425	107	46.99	6
17	26.325	220	74.01	235	27.207	232	55.38	307	33.85	44	55.18	352	4.532	140	47.05	30
27	26.545	291	71.66	200	27.439	287	52.31	304	34.29	57	51.66	341	4.672	174	47.35	57
Okt. 7	26.836	356	69.66	155	27.726	342	49.27	294	34.86	69	48.25	320	4.846	210	47.92	86
17	27.192	415	68.11	102	28.068	392	46.33	278	35.55	79	45.05	294	5.056	244	48.78	115
27	27.607	463	67.09	43	28.460	438	43.55	257	36.34	90	42.11	257	5.300	276	49.93	143
Nov. 6	28.070	500	66.66	20	28.898	477	40.98	226	37.24	96	39.54	214	5.576	302	51.36	170
16	28.570	521	66.86	83	29.375	506	38.72	191	38.20	103	37.40	165	5.878	321	53.06	191
26	29.091	526	67.69	145	29.881	523	36.81	148	39.23	106	35.75	112	6.199	334	54.97	208
Dez. 6	29.617	513	69.14	204	30.404	525	35.33	101	40.29	107	34.63	52	6.533	335	57.05	219
16	30.130	485	71.18	256	30.929	512	34.32	51	41.36	104	34.11	7	6.868	328	59.24	222
26	30.615	440	73.74	301	31.441	483	33.81	1	42.40	97	34.18	67	7.196	309	61.46	219
36	31.055		76.75		31.924		33.82		43.37		34.85		7.505		63.65	
Mittl. Ort	27.074		67.42		25.026		70.96		32.28		73.97		2.766		38.95	
sec δ, tg δ	1.908		−1.626		1.803		+1.500		4.149		+4.027		1.000		−0.024	
a, a′	+2.2		−18.4		+3.9		−18.4		+5.1		−18.5		+3.1		−18.8	
b, b′	+0.10		−0.40		−0.09		−0.40		−0.25		−0.38		0.00		−0.35	

*) Bei Stern 404) lies März 2

Tag	406) ϑ Argus AR.	Δ	406) ϑ Argus Dekl.	Δ	407) 42 Leonis min. AR.	Δ	407) 42 Leonis min. Dekl.	Δ	408) μ Argus AR.	Δ	408) μ Argus Dekl.	Δ	409) l Leonis AR.	Δ	409) l Leonis Dekl.	Δ
1934	10h 40m		−64° 2′		10h 42m		+31° 1′		10h 43m		−49° 4′		10h 45m		+10° 53′	
Jan. 1	37.00	49	40.23	309	13.783	340	37.36	88	56.518	372	5.58	308	48.821	306	34.64	171
11	37.49	41	43.32	345	14.123	304	36.48	49	56.890	323	8.66	335	49.127	275	32.93	148
21	37.90	33	46.77	369	14.427	259	35.99	11	57.213	266	12.01	352	49.402	235	31.45	119
31	38.23	25	50.46	384	14.686	209	35.88	27	57.479	204	15.53	359	49.637	189	30.26	91
Feb. 10	38.48	15	54.30	389	14.895	154	36.15	61	57.683	140	19.12	357	49.826	141	29.35	62
20	38.63	7	58.19	385	15.049	98	36.76	89	57.823	77	22.69	348	49.967	94	28.73	34
März 2	38.70	2	62.04	372	15.147	44	37.65	111	57.900	17	26.17	329	50.061	47	28.39	9
11	[3] 38.68	10	65.76	351	[3] 15.191	4	38.76	126	[3] 57.917	37	29.46	307	[4] 50.108	6	28.30	14
21	38.58	17	69.27	324	15.187	46	40.02	133	57.880	86	32.53	277	50.114	31	28.44	31
31	38.41	23	72.51	290	15.141	82	41.35	134	57.794	125	35.30	243	50.083	59	28.75	44
Apr. 10	38.18	28	75.41	252	15.059	109	42.69	128	57.669	159	37.73	205	50.024	82	29.19	55
20	37.90	32	77.93	208	14.950	127	43.97	117	57.510	184	39.78	164	49.942	98	29.74	59
30	37.58	36	80.01	160	14.823	138	45.14	100	57.326	202	41.42	121	49.844	107	30.33	62
Mai 10	37.22	37	81.61	111	14.685	142	46.14	81	57.124	214	42.63	76	49.737	109	30.95	61
20	36.85	38	82.72	60	14.543	138	46.95	58	56.910	217	43.39	30	49.628	109	31.56	59
30	36.47	38	83.32	7	14.405	131	47.53	33	56.693	216	43.69	16	49.519	102	32.15	53
Juni 9	36.09	38	83.39	44	14.274	118	47.86	9	56.477	209	43.53	60	49.417	92	32.68	47
19	35.71	35	82.95	95	14.156	103	47.95	17	56.268	195	42.93	103	49.325	81	33.15	39
29	35.36	32	82.00	142	14.053	82	47.78	42	56.073	177	41.90	143	49.244	65	33.54	30
Juli 9	35.04	28	80.58	185	13.971	61	47.36	66	55.896	152	40.47	178	49.179	49	33.84	19
19	34.76	24	78.73	221	13.910	38	46.70	91	55.744	122	38.69	208	49.130	29	34.03	7
29	34.52	17	76.52	252	13.872	12	45.79	114	55.622	85	36.61	230	49.101	8	34.10	7
Aug. 8	34.35	11	74.00	273	13.860	17	44.65	135	55.537	44	34.31	245	49.093	15	34.03	22
18	34.24	4	71.27	285	13.877	47	43.30	156	55.493	3	31.86	252	49.108	42	33.81	40
28	34.20	5	68.42	288	13.924	80	41.74	176	55.496	54	29.34	248	49.150	70	33.41	58
Sept. 7	34.25	13	65.54	277	14.004	114	39.98	193	55.550	109	26.86	235	49.220	101	32.83	79
17	34.38	23	62.77	257	14.118	152	38.05	209	55.659	166	24.51	211	49.321	136	32.04	101
27	34.61	31	60.20	226	14.270	190	35.96	222	55.825	224	22.40	178	49.457	169	31.03	123
Okt. 7	34.92	38	57.94	184	14.460	229	33.74	231	56.049	279	20.62	137	49.626	206	29.80	146
17	35.30	46	56.10	134	14.689	267	31.43	236	56.328	331	19.25	87	49.832	242	28.34	166
27	35.76	53	54.76	76	14.956	303	29.07	237	56.659	376	18.38	32	50.074	273	26.68	184
Nov. 6	36.29	58	54.00	14	15.259	333	26.70	231	57.035	412	18.06	26	50.347	302	24.84	198
16	36.87	60	53.86	50	15.592	357	24.39	220	57.447	437	18.32	85	50.649	324	22.86	208
26	37.47	61	54.36	114	15.949	373	22.19	201	57.884	447	19.17	143	50.973	338	20.78	211
Dez. 6	38.08	60	55.50	176	16.322	378	20.18	176	58.331	445	20.60	198	51.311	342	18.67	209
16	38.68	58	57.26	233	16.700	371	18.42	146	58.776	427	22.58	246	51.653	336	16.58	199
26	39.26	52	59.59	282	17.071	354	16.96	112	59.203	397	25.04	286	51.989	320	14.59	183
36	39.78		62.41		17.425		15.84		59.600		27.90		52.309		12.76	
Mittl. Ort	35.88		53.81		12.038		49.71		55.456		16.27		47.404		41.47	
sec δ, tg δ	2.285		−2.055		1.167		+0.602		1.526		−1.153		1.018		+0.192	
a, *a′*	+2.1		−18.9		+3.3		−18.9		+2.6		−19.0		+3.2		−19.0	
b, *b′*	+0.15		−0.34		−0.04		−0.33		+0.07		−0.33		−0.01		−0.32	

Scheinbare Sternörter 1934

Tag	415) *i* Velorum				416) β Ursae maj.			
	AR.		Dekl.		AR.		Dekl.	
1934	$10^h 57^m$		$-41^\circ 52'$		$10^h 57^m$		$+56^\circ 43'$	
Jan. 1	8.302	356	8.84	294	54.823	488	52.89	0
11	8.658	314	11.78	318	55.311	442	52.89	54
21	8.972	265	14.96	331	55.753	381	53.43	105
31	9.237	211	18.27	336	56.134	309	54.48	150
Feb. 10	9.448	155	21.63	332	56.443	231	55.98	189
20	9.603	98	24.95	322	56.674	148	57.87	217
März 2	9.701	44	28.17	304	56.822	66	60.04	235
11	7 9.745	5	31.21	281	7 56.888	12	62.39	243
21	9.740	49	34.02	252	56.876	83	64.82	239
31	9.691	85	36.54	221	56.793	145	67.21	227
Apr. 10	9.606	116	38.75	186	56.648	194	69.48	203
20	9.490	140	40.61	148	56.454	232	71.51	175
30	9.350	156	42.09	108	56.222	258	73.26	137
Mai 10	9.194	168	43.17	68	55.964	271	74.63	97
20	9.026	173	43.85	27	55.693	274	75.60	54
30	8.853	173	44.12	15	55.419	267	76.14	9
Juni 9	8.680	170	43.97	54	55.152	252	76.23	36
19	8.510	159	43.43	94	54.900	230	75.87	80
29	8.351	146	42.49	128	54.670	200	75.07	123
Juli 9	8.205	127	41.21	160	54.470	166	73.84	162
19	8.078	103	39.61	187	54.304	128	72.22	198
29	7.975	74	37.74	206	54.176	85	70.24	230
Aug. 8	7.901	41	35.68	220	54.091	39	67.94	259
18	7.860	2	33.48	225	54.052	10	65.35	282
28	7.858	42	31.23	221	54.062	63	62.53	301
Sept. 7	7.900	88	29.02	208	54.125	118	59.52	313
17	7.988	138	26.94	186	54.243	174	56.39	322
27	8.126	190	25.08	155	54.417	232	53.17	324
Okt. 7	8.316	241	23.53	115	54.649	292	49.93	318
17	8.557	289	22.38	70	54.941	349	46.75	307
27	8.846	332	21.68	18	55.290	401	43.68	288
Nov. 6	9.178	368	21.50	36	55.691	450	40.80	261
16	9.546	393	21.86	91	56.141	487	38.19	227
26	9.939	408	22.77	145	56.628	514	35.92	186
Dez. 6	10.347	410	24.22	194	57.142	528	34.06	140
16	10.757	399	26.16	239	57.670	523	32.66	88
26	11.156	375	28.55	275	58.193	504	31.78	33
36	11.531		31.30		58.697		31.45	
Mittl. Ort	7.313		17.73		52.340		71.59	
sec δ, tg δ	1.343		−0.896		1.823		+1.524	
a, *a′*	+2.7		−19.3		+3.6		−19.3	
b, *b′*	+0.06		− 0.27		−0.10		− 0.27	

Tag	417) α Ursae maj.				418) χ Leonis			
	AR.		Dekl.		AR.		Dekl.	
1934	$10^h 59^m$		$+62^\circ 5'$		$11^h 1^m$		$+7^\circ 41'$	
Jan. 1	43.11	56	67.96	17	38.134	311	29.12	188
11	43.67	50	68.13	73	38.445	282	27.24	166
21	44.17	43	68.86	126	38.727	244	25.58	141
31	44.60	35	70.12	171	38.971	201	24.17	113
Feb. 10	44.95	27	71.83	210	39.172	154	23.04	83
20	45.22	16	73.93	238	39.326	108	22.21	56
März 2	45.38	7	76.31	254	39.434	62	21.65	29
11	7 45.45	2	78.85	261	8 39.496	21	21.36	6
21	45.43	11	81.46	255	39.517	15	21.30	14
31	45.32	18	84.01	238	39.502	46	21.44	31
Apr. 10	45.14	24	86.39	213	39.456	69	21.75	43
20	44.90	28	88.52	180	39.387	87	22.18	51
30	44.62	32	90.32	141	39.300	97	22.69	57
Mai 10	44.30	34	91.73	96	39.203	104	23.26	60
20	43.96	34	92.69	49	39.099	104	23.86	59
30	43.62	33	93.18	1	38.995	101	24.45	57
Juni 9	43.29	32	93.19	48	38.894	95	25.02	54
19	42.97	29	92.71	94	38.799	85	25.56	48
29	42.68	25	91.77	139	38.714	73	26.04	41
Juli 9	42.43	22	90.38	180	38.641	59	26.45	32
19	42.21	17	88.58	218	38.582	42	26.77	22
29	42.04	12	86.40	251	38.540	22	26.99	9
Aug. 8	41.92	6	83.89	280	38.518	0	27.08	5
18	41.86	0	81.09	303	38.518	25	27.03	22
28	41.86	6	78.06	321	38.543	53	26.81	40
Sept. 7	41.92	12	74.85	333	38.596	84	26.41	61
17	42.04	19	71.52	339	38.680	117	25.80	84
27	42.23	26	68.13	338	38.797	154	24.96	108
Okt. 7	42.49	32	64.75	331	38.951	190	23.88	132
17	42.81	39	61.44	315	39.141	227	22.56	154
27	43.20	45	58.29	293	39.368	261	21.02	176
Nov. 6	43.65	51	55.36	263	39.629	292	19.26	194
16	44.16	55	52.73	225	39.921	316	17.32	207
26	44.71	58	50.48	180	40.237	333	15.25	214
Dez. 6	45.29	60	48.68	130	40.570	340	13.11	215
16	45.89	59	47.38	75	40.910	337	10.96	210
26	46.48	57	46.63	18	41.247	322	8.86	197
36	47.05		46.45		41.569		6.89	
Mittl. Ort	40.29		87.55		36.839		35.58	
sec δ, tg δ	2.138		+1.889		1.009		+0.135	
a, *a′*	+3.7		−19.4		+3.1		−19.4	
b, *b′*	−0.12		− 0.26		−0.01		− 0.25	

Tag	420) ψ Ursae maj. AR.	Diff.	420) ψ Ursae maj. Dekl.	Diff.	421) β Crateris AR.	Diff.	421) β Crateris Dekl.	Diff.
1934	$11^h\ 5^m$		$+44°\ 50'$		$11^h\ 8^m$		$-22°\ 27'$	
Jan. 1	$59^s.590$	404	$67''.81$	54	$25^s.584$	322	$51''.32$	265
11	59.994	368	67.27	5	25.906	289	53.97	272
21	60.362	322	67.22	45	26.195	250	56.69	271
31	60.684	265	67.67	88	26.445	206	59.40	264
Feb. 10	60.949	203	68.55	128	26.651	158	62.04	251
20	61.152	139	69.83	160	26.809	111	64.55	232
März 2	61.291	75	71.43	183	26.920	65	66.87	210
11	61.366	14	73.26	197	26.985	24	68.97	186
21	61.380	40	75.23	201	27.009	14	70.83	159
31	61.340	88	77.24	197	26.995	45	72.42	131
Apr. 10	61.252	125	79.21	183	26.950	70	73.73	103
20	61.127	154	81.04	164	26.880	89	74.76	74
30	60.973	174	82.68	137	26.791	103	75.50	46
Mai 10	60.799	184	84.05	106	26.688	112	75.96	19
20	60.615	188	85.11	72	26.576	116	76.15	9
30	60.427	184	85.83	36	26.460	115	76.06	36
Juni 9	60.243	174	86.19	2	26.345	113	75.70	60
19	60.069	158	86.17	40	26.232	105	75.10	82
29	59.911	139	85.77	76	26.127	96	74.28	103
Juli 9	59.772	116	85.01	110	26.031	82	73.25	120
19	59.656	89	83.91	144	25.949	65	72.05	133
29	59.567	59	82.47	174	25.884	45	70.72	141
Aug. 8	59.508	26	80.73	203	25.839	21	69.31	144
18	59.482	11	78.70	226	25.818	7	67.87	141
28	59.493	49	76.44	249	25.825	39	66.46	130
Sept. 7	59.542	91	73.95	266	25.864	74	65.16	115
17	59.633	136	71.29	280	25.938	114	64.01	91
27	59.769	183	68.49	288	26.052	154	63.10	62
Okt. 7	59.952	231	65.61	291	26.206	197	62.48	27
17	60.183	277	62.70	289	26.403	236	62.21	12
27	60.460	322	59.81	280	26.639	275	62.33	53
Nov. 6	60.782	363	57.01	264	26.914	308	62.86	96
16	61.145	395	54.37	241	27.222	333	63.82	137
26	61.540	419	51.96	210	27.555	349	65.19	175
Dez. 6	61.959	432	49.86	173	27.904	356	66.94	209
16	62.391	430	48.13	130	28.260	351	69.03	236
26	62.821	417	46.83	83	28.611	334	71.39	255
36	63.238		46.00		28.945		73.94	
Mittl. Ort	57.677		84.79		24.563		54.46	
sec δ, tg δ	1.411		+0.995		1.082		−0.413	
a, *a'*	+3.4		−19.5		+2.9		−19.5	
b, *b'*	−0.06		−0.23		+0.03		−0.22	

Tag	422) δ Leonis AR.	Diff.	422) δ Leonis Dekl.	Diff.	423) ϑ Leonis AR.	Diff.	423) ϑ Leonis Dekl.	Diff.
1934	$11^h\ 10^m$		$+20°\ 52'$		$11^h\ 10^m$		$+15°\ 46'$	
Jan. 1	$37^s.494$	331	$57''.14$	147	$48^s.067$	324	$76''.81$	164
11	37.825	303	55.67	113	48.391	295	75.17	135
21	38.128	265	54.54	78	48.686	259	73.82	103
31	38.393	221	53.76	43	48.945	215	72.79	71
Feb. 10	38.614	173	53.33	7	49.160	169	72.08	37
20	38.787	123	53.26	23	49.329	121	71.71	7
März 2	38.910	75	53.49	51	49.450	73	71.64	20
11	38.985	30	54.00	73	49.523	30	71.84	43
21	39.015	10	54.73	89	49.553	8	72.27	61
31	39.005	44	55.62	98	49.545	41	72.88	73
Apr. 10	38.961	71	56.60	103	49.504	66	73.61	81
20	38.890	92	57.63	102	49.438	86	74.42	84
30	38.798	105	58.65	95	49.352	99	75.26	83
Mai 10	38.693	112	59.60	86	49.253	106	76.09	77
20	38.581	115	60.46	74	49.147	109	76.86	70
30	38.466	113	61.20	58	49.038	106	77.56	59
Juni 9	38.353	106	61.78	41	48.932	101	78.15	47
19	38.247	97	62.19	23	48.831	92	78.62	34
29	38.150	85	62.42	4	48.739	81	78.96	19
Juli 9	38.065	70	62.46	15	48.658	66	79.15	4
19	37.995	52	62.31	36	48.592	50	79.19	13
29	37.943	33	61.95	56	48.542	31	79.06	30
Aug. 8	37.910	9	61.39	77	48.511	8	78.76	49
18	37.901	16	60.62	98	48.503	16	78.27	69
28	37.917	46	59.64	120	48.519	45	77.58	89
Sept. 7	37.963	78	58.44	140	48.564	76	76.69	111
17	38.041	113	57.04	161	48.640	111	75.58	132
27	38.154	150	55.43	180	48.751	147	74.26	153
Okt. 7	38.304	189	53.63	198	48.898	185	72.73	173
17	38.493	227	51.65	213	49.083	223	71.00	192
27	38.720	265	49.52	223	49.306	260	69.08	206
Nov. 6	38.985	297	47.29	229	49.566	292	67.02	217
16	39.282	326	45.00	229	49.858	319	64.85	222
26	39.608	344	42.71	223	50.177	337	62.63	221
Dez. 6	39.952	355	40.48	210	50.514	348	60.42	213
16	40.307	354	38.38	189	50.862	346	58.29	199
26	40.661	341	36.49	164	51.208	334	56.30	178
36	41.002		34.85		51.542		54.52	
Mittl. Ort	36.096		68.08		46.735		86.20	
sec δ, tg δ	1.070		+0.382		1.039		+0.283	
a, *a'*	+3.2		−19.6		+3.2		−19.6	
b, *b'*	−0.02		−0.21		−0.02		−0.21	

Tag	425) ν Ursae maj. AR.	Diff.	425) ν Ursae maj. Dekl.	Diff.	426) δ Crateris AR.	Diff.	426) δ Crateris Dekl.	Diff.	427) σ Leonis AR.	Diff.	427) σ Leonis Dekl.	Diff.	428) π Centauri AR.	Diff.	428) π Centauri Dekl.	Diff.
1934	11ʰ 14ᵐ		+33° 26′		11ʰ 16ᵐ		−14° 25′		11ʰ 17ᵐ		+6° 22′		11ʰ 17ᵐ		−54° 7′	
Jan. 1	56.741	362	62.05	104	3.376	317	15.80	247	45.245	318	82.14	196	60.179	438	33.17	279
11	57.103	332	61.01	61	3.693	289	18.27	247	45.563	292	80.18	175	60.617	394	35.96	313
21	57.435	292	60.40	17	3.982	252	20.74	239	45.855	255	78.43	151	61.011	337	39.09	339
31	57.727	244	60.23	24	4.234	210	23.13	227	46.110	215	76.92	123	61.348	274	42.48	354
Feb. 10	57.971	192	60.47	63	4.444	165	25.40	209	46.325	169	75.69	94	61.622	207	46.02	362
20	58.163	137	61.10	97	4.609	119	27.49	188	46.494	124	74.75	66	61.829	141	49.64	360
März 2	58.300	82	62.07	124	4.728	74	29.37	164	46.618	79	74.09	38	61.970	75	53.24	350
11*)	[11] 58.382	31	63.31	142	[12] 4.802	34	31.01	139	[12] 46.697	38	73.71	13	[12] 62.045	14	56.74	333
21	58.413	15	64.73	155	4.836	2	32.40	114	46.735	1	73.58	8	62.059	41	60.07	310
31	58.398	54	66.28	157	4.834	33	33.54	88	46.736	31	73.66	25	62.018	92	63.17	281
Apr. 10	58.344	87	67.85	154	4.801	58	34.42	64	46.705	55	73.91	39	61.926	133	65.98	248
20	58.257	110	69.39	143	4.743	77	35.06	41	46.650	75	74.30	50	61.793	169	68.46	209
30	58.147	129	70.82	127	4.666	90	35.47	17	46.575	88	74.80	56	61.624	198	70.55	168
Mai 10	58.018	137	72.09	106	4.576	100	35.64	3	46.487	96	75.36	59	61.426	219	72.23	124
20	57.881	142	73.15	82	4.476	104	35.61	24	46.391	99	75.95	61	61.207	234	73.47	78
30	57.739	140	73.97	55	4.372	104	35.37	43	46.292	99	76.56	60	60.973	243	74.25	31
Juni 9	57.599	133	74.52	26	4.268	102	34.94	61	46.193	96	77.16	56	60.730	244	74.56	16
19	57.466	123	74.78	3	4.166	96	34.33	75	46.097	88	77.72	52	60.486	239	74.40	63
29	57.343	109	74.75	32	4.070	87	33.58	89	46.009	80	78.24	46	60.247	227	73.77	106
Juli 9	57.234	92	74.43	61	3.983	75	32.69	99	45.929	67	78.70	38	60.020	208	72.71	148
19	57.142	71	73.82	89	3.908	61	31.70	105	45.862	52	79.08	27	59.812	182	71.23	184
29	57.071	48	72.93	117	3.847	43	30.65	108	45.810	35	79.35	16	59.630	147	69.39	214
Aug. 8	57.023	23	71.76	143	3.804	20	29.57	107	45.775	14	79.51	2	59.483	106	67.25	238
18	57.000	7	70.33	167	3.784	4	28.50	100	45.761	9	79.53	15	59.377	57	64.87	252
28	57.007	39	68.66	189	3.788	35	27.50	88	45.770	37	79.38	33	59.320	1	62.35	258
Sept. 7	57.046	75	66.77	210	3.823	67	26.62	70	45.807	68	79.05	55	59.319	61	59.77	253
17	57.121	113	64.67	228	3.890	104	25.92	47	45.875	102	78.50	77	59.380	126	57.24	239
27	57.234	155	62.39	243	3.994	142	25.45	20	45.977	138	77.73	101	59.506	193	54.85	213
Okt. 7	57.389	197	59.96	254	4.136	183	25.25	13	46.115	176	76.72	125	59.699	261	52.72	178
17	57.586	239	57.42	260	4.319	222	25.38	48	46.291	214	75.47	150	59.960	325	50.94	134
27	57.825	279	54.82	262	4.541	260	25.86	84	46.505	250	73.97	172	60.285	382	49.60	83
Nov. 6	58.104	317	52.20	255	4.801	292	26.70	120	46.755	283	72.25	192	60.667	430	48.77	27
16	58.421	347	49.65	244	5.093	319	27.90	155	47.038	311	70.33	206	61.097	467	48.50	33
26	58.768	370	47.21	225	5.412	337	29.45	186	47.349	329	68.27	216	61.564	488	48.83	92
Dez. 6	59.138	383	44.96	199	5.749	345	31.31	211	47.678	339	66.11	218	62.052	495	49.75	150
16	59.521	383	42.97	166	6.094	343	33.42	230	48.017	339	63.93	215	62.547	486	51.25	205
26	59.904	372	41.31	129	6.437	329	35.72	242	48.356	328	61.78	204	63.033	461	53.30	252
36	60.276		40.02		6.766		38.14		48.684		59.74		63.494		55.82	
Mittl. Ort	55.171		76.77		2.344		16.17		44.054		88.77		59.398		44.82	
sec δ, tg δ	1.199		+0.661		1.033		−0.257		1.006		+0.112		1.706		−1.383	
a, *a′*	+3.2		−19.7		+3.0		−19.7		+3.1		−19.7		+2.7		−19.7	
b, *b′*	−0.04		− 0.20		+0.02		− 0.19		−0.01		− 0.18		+0.09		− 0.18	

*) Bei Stern 426), 427) und 428) lies März 12

Tag	429) Grb 1771				433) λ Draconis			
	AR.		Dekl.		AR.		Dekl.	
1934	$11^h 18^m$		$+64° 40'$		$11^h 27^m$		$+69° 40'$	
Jan. 1	59.82	61	70.06	3	33.65	73	81.69	8
11	60.43	56	70.09	62	34.38	68	81.77	69
21	60.99	49	70.71	117	35.06	60	82.46	126
31	61.48	41	71.88	168	35.66	50	83.72	178
Feb. 10	61.89	32	73.56	209	36.16	39	85.50	221
20	62.21	21	75.65	241	36.55	27	87.71	254
März 2	62.42	11	78.06	262	36.82	15	90.25	275
12	62.53	1	80.68	272	36.97	2	93.00	286
21	[12] 62.54	8	83.40	269	[14] 36.99	10	95.86	282
31	62.46	17	86.09	256	36.89	20	98.68	269
Apr. 10	62.29	24	88.65	233	36.69	30	101.37	244
20	62.05	29	90.98	200	36.39	37	103.81	211
30	61.76	34	92.98	162	36.02	42	105.92	170
Mai 10	61.42	37	94.60	117	35.60	47	107.62	124
20	61.05	37	95.77	70	35.13	49	108.86	74
30	60.68	38	96.47	20	34.64	50	109.60	22
Juni 9	60.30	37	96.67	30	34.14	48	109.82	31
19	59.93	35	96.37	80	33.66	46	109.51	82
29	59.58	32	95.57	127	33.20	43	108.69	133
Juli 9	59.26	27	94.30	171	32.77	38	107.36	178
19	58.99	23	92.59	212	32.39	33	105.58	222
29	58.76	18	90.47	249	32.06	26	103.36	260
Aug. 8	58.58	12	87.98	281	31.80	19	100.76	293
18	58.46	6	85.17	307	31.61	12	97.83	321
28	58.40	0	82.10	328	31.49	3	94.62	342
Sept. 7	58.40	8	78.82	342	31.46	5	91.20	356
17	58.48	15	75.40	352	31.51	15	87.64	365
27	58.63	23	71.88	352	31.66	23	83.99	366
Okt. 7	58.86	31	68.36	347	31.89	34	80.33	359
17	59.17	38	64.89	334	32.23	42	76.74	344
27	59.55	45	61.55	312	32.65	51	73.30	322
Nov. 6	60.00	51	58.43	282	33.16	60	70.08	289
16	60.51	57	55.61	245	33.76	66	67.19	250
26	61.08	61	53.16	200	34.42	71	64.69	204
Dez. 6	61.69	63	51.16	149	35.13	75	62.65	149
16	62.32	64	49.67	93	35.88	76	61.16	92
26	62.96	63	48.74	34	36.64	74	60.24	29
36	63.59		48.40		37.38		59.95	
Mittl. Ort	57.05		91.19		30.51		103.85	
sec δ, tg δ	2.339		+2.115		2.882		+2.703	
a, *a'*	+3.6		—19.7		+3.6		—19.8	
b, *b'*	—0.14		— 0.18		—0.18		— 0.14	

Tag	434) ξ Hydrae				436) λ Centauri			
	AR.		Dekl.		AR.		Dekl.	
1934	$11^h 29^m$		$-31° 29'$		$11^h 32^m$		$-62° 39'$	
Jan. 1	45.916	349	26.63	265	44.17	55	3.09	257
11	46.265	319	29.28	282	44.72	49	5.66	299
21	46.584	280	32.10	292	45.21	42	8.65	331
31	46.864	235	35.02	292	45.63	36	11.96	356
Feb. 10	47.099	187	37.94	287	45.99	27	15.52	370
20	47.286	138	40.81	275	46.26	19	19.22	376
März 2	47.424	90	43.56	257	46.45	12	22.98	372
12	47.514	46	46.13	236	46.57	4	26.70	362
21	[15] 47.560	5	48.49	211	[16] 46.61	4	30.32	342
31	47.565	29	50.60	184	46.57	10	33.74	318
Apr. 10	47.536	59	52.44	154	46.47	16	36.92	287
20	47.477	83	53.98	123	46.31	21	39.79	250
30	47.394	101	55.21	90	46.10	25	42.29	210
Mai 10	47.293	115	56.11	58	45.85	28	44.39	165
20	47.178	124	56.69	26	45.57	32	46.04	117
30	47.054	130	56.95	7	45.25	33	47.21	68
Juni 9	46.924	130	56.88	39	44.92	33	47.89	18
19	46.794	128	56.49	70	44.59	34	48.07	34
29	46.666	122	55.79	98	44.25	33	47.73	82
Juli 9	46.544	111	54.81	122	43.92	30	46.91	129
19	46.433	96	53.59	144	43.62	28	45.62	172
29	46.337	76	52.15	160	43.34	24	43.90	209
Aug. 8	46.261	52	50.55	171	43.10	18	41.81	239
18	46.209	23	48.84	175	42.92	12	39.42	261
28	46.186	11	47.09	171	42.80	5	36.81	274
Sept. 7	46.197	51	45.38	161	42.75	3	34.07	276
17	46.248	93	43.77	141	42.78	12	31.31	267
27	46.341	139	42.36	114	42.90	20	28.64	248
Okt. 7	46.480	187	41.22	82	43.10	29	26.16	217
17	46.667	233	40.40	42	43.39	37	23.99	176
27	46.900	276	39.98	1	43.76	45	22.23	128
Nov. 6	47.176	315	39.99	49	44.21	51	20.95	72
16	47.491	345	40.48	95	44.72	56	20.23	11
26	47.836	367	41.43	140	45.28	59	20.12	50
Dez. 6	48.203	377	42.83	183	45.87	60	20.62	113
16	48.580	376	44.66	219	46.47	60	21.75	172
26	48.956	362	46.85	249	47.07	57	23.47	225
36	49.318		49.34		47.64		25.72	
Mittl. Ort	45.075		32.17		43.60		16.32	
sec δ, tg δ	1.173		—0.613		2.177		—1.934	
a, *a'*	+3.0		—19.9		+2.8		—19.9	
b, *b'*	+0.04		— 0.13		+0.13		— 0.12	

Scheinbare Sternörter 1934

Tag	437) υ Leonis AR.		437) υ Leonis Dekl.		440) 3 Draconis AR.		440) 3 Draconis Dekl.		441) χ Ursae maj. AR.		441) χ Ursae maj. Dekl.		444) β Leonis AR.		444) β Leonis Dekl.	
1934	11h 33m		−0° 27′		11h 38m		+67° 5′		11h 42m		+48° 8′		11h 45m		+14° 55′	
	s		″		s		″		s		″		s		″	
Jan. 1	35.201	322	38.25	216	51.21	67	74.83	15	36.072	437	23.73	80	42.802	334	77.38	181
11	35.523	297	40.41	201	51.88	62	74.68	46	36.509	409	22.93	26	43.136	312	75.57	152
21	35.820	264	42.42	184	52.50	56	75.14	106	36.918	368	22.67	28	43.448	281	74.05	121
31	36.084	225	44.26	160	53.06	48	76.20	159	37.286	316	22.95	79	43.729	242	72.84	86
Feb. 10	36.309	183	45.86	135	53.54	38	77.79	204	37.602	258	23.74	125	43.971	200	71.98	51
20	36.492	138	47.21	108	53.92	27	79.83	241	37.860	192	24.99	164	44.171	154	71.47	18
März 2	36.630	95	48.29	81	54.19	17	82.24	267	38.052	127	26.63	194	44.325	108	71.29	12
12	16 36.725	53	49.10	56	17 54.36	5	84.91	279	18 38.179	62	28.57	214	19 44.433	66	71.41	38
21	36.778	17	49.66	32	54.41	6	87.70	281	38.241	2	30.71	225	44.499	25	71.79	60
31	36.795	14	49.98	11	54.35	15	90.51	272	38.243	52	32.96	225	44.524	8	72.39	76
Apr. 10	36.781	40	50.09	7	54.20	23	93.23	250	38.191	99	35.21	216	44.516	37	73.15	86
20	36.741	61	50.02	21	53.97	30	95.73	221	38.092	136	37.37	198	44.479	61	74.01	91
30	36.680	76	49.81	34	53.67	36	97.94	183	37.956	165	39.35	174	44.418	78	74.92	93
Mai 10	36.604	86	49.47	43	53.31	40	99.77	139	37.791	185	41.09	143	44.340	91	75.85	89
20	36.518	93	49.04	51	52.91	42	101.16	92	37.606	198	42.52	107	44.249	99	76.74	82
30	36.425	95	48.53	56	52.49	43	102.08	41	37.408	203	43.59	69	44.150	103	77.56	72
Juni 9	36.330	94	47.97	59	52.06	42	102.49	11	37.205	202	44.28	28	44.047	103	78.28	60
19	36.236	91	47.38	61	51.64	41	102.38	62	37.003	194	44.56	13	43.944	100	78.88	47
29	36.145	84	46.77	61	51.23	39	101.76	112	36.809	181	44.43	54	43.844	94	79.35	31
Juli 9	36.061	75	46.16	58	50.84	35	100.64	159	36.628	164	43.89	95	43.750	86	79.66	15
19	35.986	63	45.58	53	50.49	30	99.05	203	36.464	142	42.94	132	43.664	74	79.81	3
29	35.923	47	45.05	46	50.19	25	97.02	243	36.322	115	41.62	169	43.590	60	79.78	21
Aug. 8	35.876	29	44.59	37	49.94	19	94.59	277	36.207	84	39.93	203	43.530	40	79.57	41
18	35.847	6	44.22	23	49.75	13	91.82	308	36.123	50	37.90	232	43.490	19	79.16	62
28	35.841	21	43.99	6	49.62	5	88.74	331	36.073	10	35.58	258	43.471	8	78.54	84
Sept. 7	35.862	52	43.93	13	49.57	2	85.43	349	36.063	33	33.00	281	43.479	38	77.70	106
17	35.914	85	44.06	36	49.59	10	81.94	360	36.096	81	30.19	299	43.517	72	76.64	129
27	35.999	123	44.42	61	49.69	19	78.34	365	36.177	131	27.20	311	43.589	109	75.35	151
Okt. 7	36.122	162	45.03	89	49.88	28	74.69	361	36.308	185	24.09	318	43.698	150	73.84	173
17	36.284	201	45.92	116	50.16	36	71.08	350	36.493	238	20.91	318	43.848	191	72.11	194
27	36.485	240	47.08	143	50.52	44	67.58	330	36.731	290	17.73	311	44.039	230	70.17	210
Nov. 6	36.725	274	48.51	168	50.96	51	64.28	302	37.021	340	14.62	297	44.269	268	68.07	223
16	36.999	303	50.19	189	51.47	59	61.26	266	37.361	382	11.65	274	44.537	300	65.84	230
26	37.302	325	52.08	207	52.06	63	58.60	221	37.743	416	8.91	244	44.837	324	63.54	232
Dez. 6	37.627	337	54.15	218	52.69	67	56.39	170	38.159	439	6.47	206	45.161	341	61.22	226
16	37.964	339	56.33	221	53.36	69	54.69	113	38.598	448	4.41	161	45.502	346	58.96	214
26	38.303	330	58.54	220	54.05	68	53.56	52	39.046	443	2.80	111	45.848	340	56.82	195
36	38.633		60.74		54.73		53.04		39.489		1.69		46.188		54.87	
Mittl. Ort	34.160		33.41		48.54		97.33		34.400		43.31		41.693		87.84	
sec δ, tg δ	1.000		−0.008		2.571		+2.369		1.499		+1.116		1.035		+0.267	
a, *a′*	+3.1		−19.9		+3.4		−20.0		+3.2		−20.0		+3.1		−20.0	
b, *b′*	0.00		−0.12		−0.16		−0.09		−0.07		−0.08		−0.02		−0.06	

Tag	445) β Virginis AR.	Diff.	445) β Virginis Dekl.	Diff.	447) γ Ursae maj. AR.	Diff.	447) γ Ursae maj. Dekl.	Diff.	450) ο Virginis AR.	Diff.	450) ο Virginis Dekl.	Diff.	452) δ Centauri AR.	Diff.	452) δ Centauri Dekl.	Diff.
1934	$11^h 47^m$		$+2° 7'$		$11^h 50^m$		$+54° 2'$		$12^h 1^m$		$+9° 5'$		$12^h 4^m$		$-50° 21'$	
Jan. 1	$16^s.422$	328	$65''.83$	212	$23^s.874$	484	$80''.83$	69	$51^s.825$	334	$48''.85$	199	$56^s.159$	451	$7''.43$	233
11	16.750	307	63.71	195	24.358	456	80.14	13	52.159	315	46.86	177	56.610	421	9.76	269
21	17.057	275	61.76	175	24.814	414	80.01	45	52.474	286	45.09	149	57.031	379	12.45	299
31	17.332	239	60.01	150	25.228	357	80.46	98	52.760	250	43.60	118	57.410	328	15.44	319
Feb. 10	17.571	196	58.51	123	25.585	293	81.44	147	53.010	210	42.42	86	57.738	274	18.63	331
20	17.767	153	57.28	94	25.878	222	82.91	186	53.220	167	41.56	55	58.012	215	21.94	334
März 2	17.920	110	56.34	67	26.100	148	84.77	218	53.387	124	41.01	24	58.227	157	25.28	331
12	18.030	69	55.67	40	26.248	75	86.95	238	53.511	83	40.77	3	58.384	101	28.59	321
21*)	[19] 18.099	32	55.27	17	[20] 26.323	6	89.33	247	[23] 53.594	44	40.80	27	[24] 58.485	47	31.80	303
31	18.131	0	55.10	3	26.329	58	91.80	247	53.638	10	41.07	46	58.532	0	34.83	282
Apr. 10	18.131	28	55.13	21	26.271	112	94.27	236	53.648	19	41.53	60	58.532	45	37.65	255
20	18.103	49	55.34	34	26.159	157	96.63	216	53.629	43	42.13	71	58.487	82	40.20	224
30	18.054	66	55.68	44	26.002	194	98.79	188	53.586	62	42.84	76	58.405	117	42.44	188
Mai 10	17.988	79	56.12	52	25.808	220	100.67	153	53.524	76	43.60	78	58.288	145	44.32	152
20	17.909	87	56.64	57	25.588	237	102.20	114	53.448	87	44.38	76	58.143	168	45.84	111
30	17.822	91	57.21	59	25.351	245	103.34	72	53.361	93	45.14	72	57.975	186	46.95	68
Juni 9	17.731	93	57.80	59	25.106	246	104.06	27	53.268	96	45.86	65	57.789	199	47.63	26
19	17.638	91	58.39	59	24.860	239	104.33	18	53.172	97	46.51	57	57.590	206	47.89	18
29	17.547	86	58.98	55	24.621	226	104.15	62	53.075	94	47.08	47	57.384	208	47.71	61
Juli 9	17.461	80	59.53	49	24.395	207	103.53	107	52.981	89	47.55	35	57.176	201	47.10	101
19	17.381	69	60.02	43	24.188	182	102.46	149	52.892	80	47.90	21	56.975	189	46.09	138
29	17.312	55	60.45	34	24.006	153	100.97	187	52.812	68	48.11	6	56.786	168	44.71	172
Aug. 8	17.257	38	60.79	22	23.853	118	99.10	222	52.744	51	48.17	10	56.618	140	42.99	199
18	17.219	16	61.01	7	23.735	78	96.88	255	52.693	32	48.07	29	56.478	103	41.00	219
28	17.203	9	61.08	10	23.657	34	94.33	281	52.661	7	47.78	49	56.375	57	38.81	231
Sept. 7	17.212	39	60.98	29	23.623	15	91.52	304	52.654	23	47.29	70	56.318	5	36.50	235
17	17.251	73	60.69	53	23.638	69	88.48	322	52.677	55	46.59	93	56.313	54	34.15	229
27	17.324	111	60.16	78	23.707	126	85.26	333	52.732	93	45.66	117	56.367	117	31.86	212
Okt. 7	17.435	150	59.38	102	23.833	186	81.93	339	52.825	134	44.49	142	56.484	183	29.74	187
17	17.585	190	58.36	129	24.019	246	78.54	336	52.959	175	43.07	164	56.667	248	27.87	151
27	17.775	230	57.07	155	24.265	306	75.18	327	53.134	216	41.43	186	56.915	311	26.36	108
Nov. 6	18.005	266	55.52	178	24.571	362	71.91	308	53.350	254	39.57	204	57.226	366	25.28	59
16	18.271	298	53.74	197	24.933	411	68.83	283	53.604	288	37.53	217	57.592	412	24.69	6
26	18.569	321	51.77	211	25.344	451	66.00	248	53.892	316	35.36	225	58.004	447	24.63	50
Dez. 6	18.890	337	49.66	221	25.795	478	63.52	206	54.208	333	33.11	227	58.451	467	25.13	105
16	19.227	341	47.45	222	26.273	492	61.46	158	54.541	341	30.84	221	58.918	473	26.18	157
26	19.568	336	45.23	216	26.765	490	59.88	103	54.882	339	28.63	208	59.391	464	27.75	205
36	19.904		43.07		27.255		58.85		55.221		26.55		59.855		29.80	
Mittl. Ort	15.438		72.00		22.102		101.95		50.871		57.88		55.716		17.56	
sec δ, tg δ	1.001		+0.037		1.704		+1.380		1.013		+0.160		1.567		−1.207	
a, a'	+3.1		−20.0		+3.2		−20.0		+3.1		−20.0		+3.1		−20.0	
b, b'	0.00		− 0.06		−0.09		− 0.04		−0.01		+ 0.01		+0.08		+ 0.02	

*) Bei Stern 450) und 452) lies März 22

Scheinbare Sternörter 1934

Tag	453) ε Corvi AR.		453) ε Corvi Dekl.		454) 4 H. Draconis AR.		454) 4 H. Draconis Dekl.		456) δ Ursae maj. AR.		456) δ Ursae maj. Dekl.		459) β Chamael. AR.		459) β Chamael. Dekl.	
1934	$12^h\ 6^m$		−22° 15′		$12^h\ 9^m$~		+77° 58′		$12^h\ 12^m$		+57° 23′		$12^h\ 14^m$		−78° 56′	
Jan. 1	44.288	349	8.09	237	11.31	116	33.84	25	11.773	521	34.37	86	25.24	125	30.14	176
11	44.637	328	10.46	248	12.47	111	33.59	41	12.294	499	33.51	25	26.49	117	31.90	231
21	44.965	297	12.94	252	13.58	103	34.00	104	12.793	460	33.26	35	27.66	106	34.21	279
31	45.262	260	15.46	248	14.61	90	35.04	161	13.253	406	33.61	92	28.72	91	37.00	318
Feb. 10	45.522	219	17.94	239	15.51	75	36.65	213	13.659	342	34.53	144	29.63	76	40.18	349
20	45.741	176	20.33	224	16.26	57	38.78	253	14.001	269	35.97	188	30.39	59	43.67	371
März 2	45.917	132	22.57	206	16.83	38	41.31	282	14.270	191	37.85	224	30.98	42	47.38	384
12	46.049	91	24.63	186	17.21	17	44.13	300	14.461	113	40.09	248	31.40	25	51.22	389
22	$_{24}$46.140	52	26.49	162	$_{25}$17.38	3	47.13	305	$_{26}$14.574	37	42.57	262	$_{26}$31.65	7	55.11	384
31	46.192	18	28.11	138	17.35	22	50.18	297	14.611	33	45.19	264	31.72	10	58.95	372
Apr. 10	46.210	12	29.49	114	17.13	39	53.15	278	14.578	97	47.83	256	31.62	25	62.67	353
20	46.198	37	30.63	89	16.74	54	55.93	249	14.481	152	50.39	237	31.37	40	66.20	325
30	46.161	58	31.52	64	16.20	68	58.42	211	14.329	197	52.76	211	30.97	53	69.45	292
Mai 10	46.103	75	32.16	39	15.52	77	60.53	165	14.132	232	54.87	177	30.44	65	72.37	253
20	46.028	89	32.55	15	14.75	85	62.18	116	13.900	257	56.64	137	29.79	76	74.90	209
30	45.939	98	32.70	9	13.90	89	63.34	62	13.643	273	58.01	94	29.03	84	76.99	159
Juni 9	45.841	105	32.61	31	13.01	92	63.96	7	13.370	280	58.95	47	28.19	90	78.58	107
19	45.736	108	32.30	53	12.09	90	64.03	49	13.090	280	59.42	0	27.29	94	79.65	53
29	45.628	108	31.77	72	11.19	88	63.54	103	12.810	271	59.42	47	26.35	95	80.18	2
Juli 9	45.520	105	31.05	91	10.31	82	62.51	154	12.539	256	58.95	95	25.40	93	80.16	58
19	45.415	98	30.14	104	9.49	76	60.97	203	12.283	234	58.00	139	24.47	88	79.58	112
29	45.317	85	29.10	115	8.73	66	58.94	247	12.049	207	56.61	181	23.59	81	78.46	161
Aug. 8	45.232	68	27.95	123	8.07	57	56.47	286	11.842	171	54.80	221	22.78	69	76.85	205
18	45.164	47	26.72	124	7.50	44	53.61	319	11.671	131	52.59	256	22.09	56	74.80	243
28	45.117	18	25.48	120	7.06	31	50.42	347	11.540	85	50.03	286	21.53	40	72.37	273
Sept. 7	45.099	15	24.28	109	6.75	18	46.95	367	11.455	33	47.17	312	21.13	21	69.64	292
17	45.114	53	23.19	94	6.57	3	43.28	380	11.422	24	44.05	332	20.92	1	66.72	300
27	45.167	95	22.25	70	6.54	13	39.48	386	11.446	86	40.73	346	20.91	21	63.72	297
Okt. 7	45.262	140	21.55	43	6.67	30	35.62	384	11.532	152	37.27	353	21.12	42	60.75	282
17	45.402	186	21.12	9	6.97	45	31.78	373	11.684	220	33.74	353	21.54	63	57.93	255
27	45.588	231	21.03	27	7.42	60	28.05	353	11.904	286	30.21	345	22.17	82	55.38	216
Nov. 6	45.819	273	21.30	66	8.02	76	24.52	324	12.190	351	26.76	328	22.99	99	53.22	169
16	46.092	308	21.96	104	8.78	90	21.28	287	12.541	409	23.48	303	23.98	114	51.53	113
26	46.400	335	23.00	142	9.68	100	18.41	241	12.950	457	20.45	268	25.12	123	50.40	53
Dez. 6	46.735	353	24.42	175	10.68	109	16.00	187	13.407	494	17.77	226	26.35	129	49.87	12
16	47.088	360	26.17	203	11.77	115	14.13	127	13.901	517	15.51	176	27.64	132	49.99	75
26	47.448	356	28.20	226	12.92	116	12.86	64	14.418	522	13.75	120	28.96	129	50.74	138
36	47.804		30.46		14.08		12.22		14.940		12.55		30.25		52.12	
Mittl. Ort	43.600		9.86		7.80		58.59		10.156		56.96		26.04		45.03	
sec δ, tg δ	1.080		−0.409		4.803		+4.698		1.856		+1.564		5.216		−5.119	
a, a′	+3.1		−20.0		+2.8		−20.0		+3.0		−20.0		+3.5		−20.0	
b, b′	+0.03		+ 0.03		−0.31		+ 0.04		−0.10		+ 0.05		+0.34		+ 0.06	

Tag	460) η Virginis AR.		460) η Virginis Dekl.		462) α Crucis med. AR.		462) α Crucis med. Dekl.		466) 20 Comae AR.		466) 20 Comae Dekl.		465) δ Corvi AR.		465) δ Corvi Dekl.	
1934	12h 16m		−0° 18′		12h 22m		−62° 43′		12h 26m		+21° 15′		12h 26m		−16° 8′	
Jan. 1	32.503	335	6.78	216	55.08	60	49.74	195	25.353	352	26.93	185	27.400	346	54.31	226
11	32.838	317	8.94	203	55.68	57	51.69	243	25.705	336	25.08	151	27.746	329	56.57	231
21	33.155	291	10.97	185	56.25	51	54.12	283	26.041	313	23.57	111	28.075	304	58.88	230
31	33.446	258	12.82	163	56.76	45	56.95	315	26.354	279	22.46	71	28.379	269	61.18	222
Feb. 10	33.704	219	14.45	136	57.21	39	60.10	338	26.633	241	21.75	31	28.648	233	63.40	208
20	33.923	180	15.81	109	57.60	31	63.48	352	26.874	197	21.44	8	28.881	191	65.48	191
März 2	34.103	137	16.90	81	57.91	23	67.00	359	27.071	153	21.52	44	29.072	151	67.39	171
12	34.240	98	17.71	54	58.14	16	70.59	356	27.224	109	21.96	75	29.223	111	69.10	149
22	34.338	60	18.25	30	58.30	9	74.15	348	27.333	67	22.71	99	29.334	73	70.59	126
31	34.398	28	18.55	8	58.39	2	77.63	332	27.400	30	23.70	117	29.407	40	71.85	103
Apr. 10	34.426	2	18.63	11	58.41	5	80.95	310	27.430	3	24.87	129	29.447	9	72.88	81
20	34.424	26	18.52	26	58.36	10	84.05	281	27.427	32	26.16	133	29.456	16	73.69	59
30	34.398	46	18.26	38	58.26	16	86.86	249	27.395	56	27.49	132	29.440	38	74.28	38
Mai 10	34.352	62	17.88	48	58.10	21	89.35	210	27.339	75	28.81	125	29.402	57	74.66	18
20	34.290	75	17.40	54	57.89	24	91.45	168	27.264	90	30.06	114	29.345	72	74.84	1
30	34.215	84	16.86	58	57.65	28	93.13	123	27.174	100	31.20	98	29.273	83	74.83	18
Juni 9	34.131	90	16.28	60	57.37	31	94.36	76	27.074	108	32.18	80	29.190	94	74.65	35
19	34.041	93	15.68	61	57.06	32	95.12	26	26.966	111	32.98	60	29.096	99	74.30	50
29	33.948	94	15.07	59	56.74	33	95.38	23	26.855	112	33.58	38	28.997	102	73.80	63
Juli 9	33.854	91	14.48	56	56.41	33	95.15	72	26.743	109	33.96	14	28.895	102	73.17	75
19	33.763	86	13.92	51	56.08	31	94.43	118	26.634	103	34.10	11	28.793	98	72.42	85
29	33.677	75	13.41	42	55.77	30	93.25	160	26.531	93	33.99	36	28.695	90	71.57	90
Aug. 8	33.602	62	12.99	33	55.47	25	91.65	198	26.438	78	33.63	61	28.605	76	70.67	93
18	33.540	43	12.66	20	55.22	20	89.67	229	26.360	59	33.02	87	28.529	58	69.74	92
28	33.497	20	12.46	4	55.02	14	87.38	252	26.301	36	32.15	113	28.471	33	68.82	86
Sept. 7	33.477	9	12.42	15	54.88	6	84.86	265	26.265	7	31.02	138	28.438	3	67.96	74
17	33.486	42	12.57	36	54.82	2	82.21	268	26.258	28	29.64	163	28.435	33	67.22	58
27	33.528	80	12.93	60	54.84	10	79.53	260	26.286	66	28.01	186	28.468	73	66.64	36
Okt. 7	33.608	120	13.53	86	54.94	19	76.93	241	26.352	107	26.15	209	28.541	116	66.28	11
17	33.728	163	14.39	113	55.13	29	74.52	213	26.459	152	24.06	227	28.657	162	66.17	20
27	33.891	205	15.52	139	55.42	38	72.39	173	26.611	197	21.79	243	28.819	207	66.37	52
Nov. 6	34.096	245	16.91	164	55.80	46	70.66	125	26.808	240	19.36	253	29.026	249	66.89	87
16	34.341	281	18.55	186	56.26	52	69.41	72	27.048	279	16.83	257	29.275	287	67.76	120
26	34.622	309	20.41	203	56.78	57	68.69	13	27.327	311	14.26	254	29.562	318	68.96	152
Dez. 6	34.931	329	22.44	216	57.35	60	68.56	46	27.638	335	11.72	245	29.880	339	70.48	179
16	35.260	339	24.60	220	57.95	62	69.02	106	27.973	350	9.27	227	30.219	349	72.27	202
26	35.599	338	26.80	219	58.57	61	70.08	161	28.323	353	7.00	202	30.568	350	74.29	218
36	35.937		28.99		59.18		71.69		28.676		4.98		30.918		76.47	
Mittl. Ort	31.710		0.61		55.03		62.18		24.453		40.78		26.780		53.49	
sec δ, tg δ	1.000		−0.005		2.183		−1.940		1.073		+0.389		1.041		−0.290	
a, *a′*	+3.1		−20.0		+3.3		−19.9		+3.0		−19.9		+3.1		−19.9	
b, *b′*	0.00		+ 0.07		+0.13		+ 0.10		−0.03		+ 0.12		+0.02		+ 0.12	

Scheinbare Sternörter 1934

Tag	470) 8 Canum ven. AR.		Dekl.		472) κ Draconis AR.		Dekl.		471) β Corvi AR.		Dekl.		473) 24 Comae seq. AR.		Dekl.	
1934	$12^h 30^m$		+41° 42′		$12^h 30^m$		+70° 8′		$12^h 30^m$		−23° 1′		$12^h 31^m$		+18° 43′	
Jan. 1	37.877	407	36.86	145	42.49	76	41.56	75	55.466	358	53.79	224	50.095	349	71.34	192
11	38.284	394	35.41	93	43.25	74	40.81	9	55.824	341	56.03	237	50.444	334	69.42	160
21	38.678	366	34.48	39	43.99	69	40.72	55	56.165	315	58.40	243	50.778	312	67.82	123
31	39.044	329	34.09	14	44.68	62	41.27	116	56.480	281	60.83	242	51.090	279	66.59	85
Feb. 10	39.373	283	34.23	65	45.30	53	42.43	171	56.761	243	63.25	234	51.369	242	65.74	44
20	39.656	232	34.88	111	45.83	42	44.14	219	57.004	201	65.59	222	51.611	200	65.30	7
März 2	39.888	177	35.99	151	46.25	31	46.33	255	57.205	160	67.81	207	51.811	157	65.23	29
12	40.065	121	37.50	183	46.56	19	48.88	281	57.365	119	69.88	187	51.968	114	65.52	60
22	40.186	68	39.33	204	46.75	7	51.69	295	57.484	80	71.75	166	52.082	73	66.12	86
31	[30] 40.254	18	41.37	217	[31] 46.82	5	54.64	296	[31] 57.564	46	73.41	143	[31] 52.155	37	66.98	104
Apr. 10	40.272	26	43.54	219	46.77	16	57.60	285	57.610	14	74.84	120	52.192	3	68.02	118
20	40.246	66	45.73	214	46.61	25	60.45	265	57.624	13	76.04	96	52.195	25	69.20	123
30	40.180	98	47.87	199	46.36	34	63.10	234	57.611	37	77.00	73	52.170	48	70.43	125
Mai 10	40.082	125	49.86	177	46.02	41	65.44	196	57.574	57	77.73	49	52.122	68	71.68	120
20	39.957	145	51.63	151	45.61	46	67.40	152	57.517	74	78.22	26	52.054	83	72.88	111
30	39.812	160	53.14	119	45.15	49	68.92	103	57.443	88	78.48	4	51.971	94	73.99	97
Juni 9	39.652	169	54.33	83	44.66	51	69.95	50	57.355	98	78.52	19	51.877	103	74.96	82
19	39.483	173	55.16	46	44.15	53	70.45	2	57.257	107	78.33	40	51.774	107	75.78	64
29	39.310	173	55.62	7	43.62	51	70.43	56	57.150	111	77.93	60	51.667	109	76.42	44
Juli 9	39.137	167	55.69	32	43.11	50	69.87	107	57.039	111	77.33	79	51.558	108	76.86	22
19	38.970	158	55.37	71	42.61	46	68.80	157	56.928	108	76.54	94	51.450	102	77.08	1
29	38.812	143	54.66	109	42.15	42	67.23	204	56.820	100	75.60	106	51.348	94	77.07	24
Aug. 8	38.669	124	53.57	146	41.73	37	65.19	246	56.720	87	74.54	115	51.254	80	76.83	48
18	38.545	99	52.11	180	41.36	31	62.73	284	56.633	66	73.39	119	51.174	62	76.35	73
28	38.446	69	50.31	212	41.05	23	59.89	316	56.567	42	72.20	118	51.112	39	75.62	98
Sept. 7	38.377	33	48.19	241	40.82	15	56.73	343	56.525	9	71.02	110	51.073	12	74.64	123
17	38.344	8	45.78	267	40.67	6	53.30	363	56.516	28	69.92	97	51.061	23	73.41	148
27	38.352	53	43.11	287	40.61	3	49.67	375	56.544	70	68.95	77	51.084	60	71.93	172
Okt. 7	38.405	104	40.24	304	40.64	14	45.92	382	56.614	116	68.18	52	51.144	102	70.21	195
17	38.509	156	37.20	314	40.78	24	42.10	378	56.730	164	67.66	22	51.246	146	68.26	214
27	38.665	208	34.06	318	41.02	34	38.32	367	56.894	211	67.44	13	51.392	190	66.12	232
Nov. 6	38.873	261	30.88	314	41.36	45	34.65	345	57.105	256	67.57	50	51.582	234	63.80	244
16	39.134	307	27.74	303	41.81	54	31.20	316	57.361	296	68.07	88	51.816	272	61.36	251
26	39.441	348	24.71	282	42.35	62	28.04	276	57.657	327	68.95	124	52.088	306	58.85	251
Dez. 6	39.789	380	21.89	254	42.97	68	25.28	229	57.984	350	70.19	158	52.394	331	56.34	244
16	40.169	399	19.35	217	43.65	73	22.99	174	58.334	361	71.77	187	52.725	345	53.90	229
26	40.568	406	17.18	174	44.38	75	21.25	113	58.695	361	73.64	212	53.070	349	51.61	208
36	40.974		15.44		45.13		20.12		59.056		75.76		53.419		49.53	
Mittl. Ort	36.794		56.74		40.59		66.47		54.923		55.22		49.253		84.51	
sec δ, tg δ	1.340		+0.891		2.945		+2.770		1.087		−0.425		1.056		+0.339	
a, a'	+2.9		−19.9		+2.6		−19.9		+3.1		−19.9		+3.0		−19.9	
b, b'	−0.06		+ 0.13		−0.18		+ 0.13		+0.03		+ 0.13		−0.02		+ 0.14	

Tag	474) α Muscae AR.		Dekl.		476) γ Centauri AR.		Dekl.		478) 76 Ursae maj. AR.		Dekl.		481) β Crucis AR.		Dekl.	
1934	12h 33m		−68° 46′		12h 37m		−48° 35′		12h 38m		+63° 3′		12h 43m		−59° 19′	
Jan. 1	13.39	73	7.08	171	52.180	457	42.50	199	42.82	59	66.34	103	50.935	563	30.70	174
11	14.12	70	8.79	223	52.637	436	44.49	237	43.41	59	65.31	40	51.498	539	32.44	222
21	14.82	65	11.02	268	53.073	402	46.86	267	44.00	55	64.91	23	52.037	499	34.66	260
31	15.47	57	13.70	304	53.475	361	49.53	290	44.55	49	65.14	86	52.536	450	37.26	293
Feb. 10	16.04	49	16.74	333	53.836	312	52.43	305	45.04	43	66.00	141	52.986	391	40.19	317
20	16.53	40	20.07	353	54.148	261	55.48	313	45.47	35	67.41	192	53.377	327	43.36	332
März 2	16.93	31	23.60	365	54.409	207	58.61	313	45.82	27	69.33	231	53.704	262	46.68	341
12	17.24	22	27.25	368	54.616	154	61.74	306	46.09	17	71.64	261	53.966	195	50.09	340
22	17.46	13	30.93	363	54.770	103	64.80	295	46.26	8	74.25	279	54.161	131	53.49	334
31*)	31 17.59	3	34.56	351	1 54.873	55	67.75	277	2 46.34	0	77.04	285	3 54.292	68	56.83	321
Apr. 10	17.62	4	38.07	332	54.928	11	70.52	254	46.34	8	79.89	279	54.360	10	60.04	301
20	17.58	12	41.39	307	54.939	29	73.06	229	46.26	15	82.68	264	54.370	46	63.05	277
30	17.46	20	44.46	275	54.910	66	75.35	199	46.11	22	85.32	239	54.324	95	65.82	247
Mai 10	17.26	26	47.21	239	54.844	98	77.34	166	45.89	27	87.71	205	54.229	141	68.29	213
20	17.00	31	49.60	198	54.746	127	79.00	129	45.62	31	89.76	165	54.088	182	70.42	174
30	16.69	37	51.58	151	54.619	151	80.29	91	45.31	34	91.41	120	53.906	217	72.16	133
Juni 9	16.32	40	53.09	104	54.468	171	81.20	52	44.97	35	92.61	72	53.689	246	73.49	88
19	15.92	43	54.13	52	54.297	185	81.72	11	44.62	36	93.33	22	53.443	267	74.37	41
29	15.49	45	54.65	1	54.112	195	81.83	30	44.26	36	93.55	29	53.176	282	74.78	5
Juli 9	15.04	44	54.66	51	53.917	197	81.53	69	43.90	36	93.26	79	52.894	287	74.73	52
19	14.60	44	54.15	102	53.720	194	80.84	107	43.54	33	92.47	129	52.607	283	74.21	97
29	14.16	40	53.13	148	53.526	181	79.77	141	43.21	30	91.18	174	52.324	266	73.24	139
Aug. 8	13.76	36	51.65	190	53.345	161	78.36	171	42.91	27	89.44	218	52.058	239	71.85	177
18	13.40	29	49.75	226	53.184	131	76.65	194	42.64	23	87.26	256	51.819	201	70.08	209
28	13.11	22	47.49	254	53.053	94	74.71	211	42.41	17	84.70	291	51.618	149	67.99	233
Sept. 7	12.89	12	44.95	273	52.959	46	72.60	220	42.24	12	81.79	321	51.469	88	65.66	248
17	12.77	2	42.22	281	52.913	8	70.40	218	42.12	5	78.58	343	51.381	17	63.18	255
27	12.75	9	39.41	278	52.921	68	68.22	209	42.07	3	75.15	360	51.364	62	60.63	251
Okt. 7	12.84	20	36.63	265	52.989	134	66.13	190	42.10	10	71.55	371	51.426	147	58.12	235
17	13.04	33	33.98	238	53.123	199	64.23	160	42.20	18	67.84	372	51.573	231	55.77	211
27	13.37	43	31.60	203	53.322	264	62.63	124	42.38	26	64.12	365	51.804	314	53.66	175
Nov. 6	13.80	54	29.57	157	53.586	325	61.39	80	42.64	34	60.47	350	52.118	391	51.91	132
16	14.34	62	28.00	105	53.911	376	60.59	32	42.98	42	56.97	325	52.509	457	50.59	82
26	14.96	69	26.95	48	54.287	419	60.27	21	43.40	49	53.72	291	52.966	510	49.77	27
Dez. 6	15.65	73	26.47	15	54.706	447	60.48	72	43.89	53	50.81	248	53.476	548	49.50	30
16	16.38	76	26.62	76	55.153	463	61.20	123	44.42	57	48.33	197	54.024	568	49.80	87
26	17.14	75	27.38	134	55.616	462	62.43	171	44.99	59	46.36	139	54.592	570	50.67	141
36	17.89		28.72		56.078		64.14		45.58		44.97		55.162		52.08	
Mittl. Ort	13.67		20.30		51.956		51.46		41.40		90.63		50.981		41.96	
sec δ, tg δ	2.762		−2.574		1.512		−1.134		2.208		+1.969		1.960		−1.686	
a, a′	+3.6		−19.8		+3.3		−19.8		+2.6		−19.8		+3.5		−19.7	
b, b′	+0.17		+ 0.14		+0.07		+ 0.16		−0.13		+ 0.17		+0.11		+ 0.19	

*) Bei Stern 476), 478) und 481) lies April 1

Scheinbare Sternörter 1934

Tag	482) *n* Centauri AR.		482) Dekl.		483) ε Ursae maj. AR.		483) Dekl.		484) δ Virginis AR.		484) Dekl.		486) 8 Draconis AR.		486) Dekl.	
1934	12h 49m		−39° 49′		12h 51m		+56° 18′		12h 52m		+3° 44′		12h 52m		+65° 47′	
	s		″		s		″		s		″		s		″	
Jan. 1	46.615	413	7.42	198	8.979	506	40.30	134	17.285	338	71.80	213	52.52	64	21.36	115
11	47.028	397	9.40	228	9.485	498	38.96	74	17.623	329	69.67	197	53.16	64	20.21	50
21	47.425	370	11.68	252	9.983	473	38.22	12	17.952	307	67.70	175	53.80	60	19.71	15
31	47.795	336	14.20	268	10.456	433	38.10	50	18.259	281	65.95	149	54.40	56	19.86	78
Feb. 10	48.131	294	16.88	277	10.889	379	38.60	107	18.540	247	64.46	119	54.96	49	20.64	137
20	48.425	250	19.65	280	11.268	317	39.67	159	18.787	210	63.27	89	55.45	40	22.01	189
März 2	48.675	204	22.45	275	11.585	248	41.26	202	18.997	171	62.38	58	55.85	31	23.90	231
12	48.879	158	25.20	267	11.833	175	43.28	236	19.168	132	61.80	28	56.16	22	26.21	264
22	49.037	114	27.87	252	12.008	103	45.64	259	19.300	95	61.52	3	56.38	11	28.85	284
Apr. 1	49.151	72	30.39	234	12.111	33	48.23	270	19.395	62	61.49	20	56.49	2	31.69	293
10	49.223	34	32.73	214	12.144	32	50.93	270	19.457	30	61.69	38	56.51	7	34.62	290
20	49.257	1	34.87	188	12.112	91	53.63	261	19.487	4	62.07	53	56.44	15	37.52	276
30	49.256	32	36.75	162	12.021	142	56.24	242	19.491	20	62.60	64	56.29	23	40.28	251
Mai 10	49.224	61	38.37	133	11.879	185	58.66	213	19.471	41	63.24	70	56.06	28	42.79	220
20	49.163	86	39.70	102	11.694	219	60.79	179	19.430	58	63.94	73	55.78	34	44.99	179
30	49.077	108	40.72	69	11.475	246	62.58	139	19.372	72	64.67	73	55.44	38	46.78	135
Juni 9	48.969	126	41.41	36	11.229	264	63.97	95	19.300	83	65.40	71	55.06	40	48.13	86
19	48.843	141	41.77	2	10.965	275	64.92	48	19.217	92	66.11	67	54.66	41	48.99	36
29	48.702	151	41.79	32	10.690	278	65.40	0	19.125	99	66.78	60	54.25	42	49.35	17
Juli 9	48.551	156	41.47	65	10.412	275	65.40	48	19.026	101	67.38	52	53.83	42	49.18	68
19	48.395	155	40.82	95	10.137	264	64.92	95	18.925	100	67.90	42	53.41	39	48.50	119
29	48.240	149	39.87	124	9.873	246	63.97	141	18.825	96	68.32	30	53.02	37	47.31	168
Aug. 8	48.091	134	38.63	146	9.627	221	62.56	184	18.729	87	68.62	17	52.65	33	45.63	211
18	47.957	112	37.17	166	9.406	190	60.72	224	18.642	72	68.79	1	52.32	29	43.52	253
28	47.845	83	35.51	177	9.216	150	58.48	261	18.570	53	68.80	17	52.03	23	40.99	290
Sept. 7	47.762	44	33.74	183	9.066	105	55.87	292	18.517	26	68.63	37	51.80	17	38.09	310
17	47.718	1	31.91	180	8.961	51	52.95	318	18.491	5	68.26	58	51.63	10	34.89	346
27	47.719	52	30.11	168	8.910	8	49.77	340	18.496	41	67.68	82	51.53	2	31.43	364
Okt. 7	47.771	108	28.43	149	8.918	73	46.37	355	18.537	83	66.86	107	51.51	6	27.79	376
17	47.879	167	26.94	122	8.991	140	42.82	361	18.620	126	65.79	132	51.57	16	24.03	379
27	48.046	224	25.72	87	9.131	210	39.21	361	18.746	172	64.47	156	51.73	24	20.24	374
Nov. 6	48.270	278	24.85	47	9.341	280	35.60	351	18.918	214	62.91	179	51.97	34	16.50	359
16	48.548	327	24.38	3	9.621	343	32.09	332	19.132	255	61.12	198	52.31	42	12.91	336
26	48.875	367	24.35	43	9.964	402	28.77	304	19.387	288	59.14	212	52.73	49	9.55	303
Dez. 6	49.242	395	24.78	90	10.366	447	25.73	267	19.675	315	57.02	221	53.22	56	6.52	259
16	49.637	413	25.68	134	10.813	482	23.06	221	19.990	332	54.81	223	53.78	60	3.93	209
26	50.050	416	27.02	174	11.295	500	20.85	169	20.322	337	52.58	217	54.38	63	1.84	152
36	50.466		28.76		11.795		19.16		20.659		50.41		55.01		0.32	
Mittl. Ort	46.348		13.67		7.901		63.80		16.677		80.34		51.26		46.31	
sec δ, tg δ	1.302		−0.834		1.803		+1.500		1.002		+0.066		2.439		+2.225	
a, *a′*	+3.3		−19.6		+2.6		−19.5		+3.1		−19.5		+2.4		−19.5	
b, *b′*	+0.05		+0.22		−0.10		+0.22		0.00		+0.23		−0.14		+0.23	

Tag	485) 12 Can. ven. sq.				488) ε Virginis				490) ϑ Virginis				492) 43 Comae			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1934	$12^h 52^m$		$+38° 39'$		$12^h 58^m$		$+11° 18'$		$13^h 6^m$		$-5° 11'$		$13^h 8^m$		$+28° 12'$	
Jan. 1	57.476 s	395	68.30″	172	54.100 s	342	37.22″	210	32.294 s	342	19.46″	213	48.362 s	362	27.13″	197
11	57.871	386	66.58	122	54.442	333	35.12	185	32.636	333	21.59	207	48.724	356	25.16	155
21	58.257	366	65.36	67	54.775	314	33.27	156	32.969	315	23.66	195	49.080	340	23.61	111
31	58.623	334	64.67	16	55.089	288	31.71	122	33.284	290	25.61	178	49.420	313	22.50	63
Feb. 10	58.957	294	64.51	36	55.377	255	30.49	87	33.574	258	27.39	156	49.733	280	21.87	15
20	59.251	247	64.87	85	55.632	218	29.62	51	33.832	223	28.95	132	50.013	240	21.72	31
März 2	59.498	198	65.72	128	55.850	178	29.11	16	34.055	186	30.27	106	50.253	198	22.03	73
12	59.696	147	67.00	163	56.028	139	28.95	16	34.241	148	31.33	80	50.451	154	22.76	109
22	59.843	96	68.63	189	56.167	102	29.11	43	34.389	113	32.13	55	50.605	111	23.85	140
Apr. 1	59.939	49	70.52	207	56.269	66	29.54	66	34.502	80	32.68	33	50.716	70	25.25	162
10	[5] 59.988	5	72.59	215	[7] 56.335	34	30.20	83	[9] 34.582	48	33.01	12	[9] 50.786	32	26.87	175
20	59.993	33	74.74	214	56.369	5	31.03	95	34.630	21	33.13	5	50.818	2	28.62	182
30	59.960	68	76.88	205	56.374	20	31.98	101	34.651	3	33.08	19	50.816	32	30.44	180
Mai 10	59.892	96	78.93	188	56.354	41	32.99	104	34.648	25	32.89	32	50.784	58	32.24	172
20	59.796	118	80.81	165	56.313	59	34.03	101	34.623	44	32.57	41	50.726	81	33.96	158
30	59.678	137	82.46	136	56.254	75	35.04	95	34.579	61	32.16	49	50.645	99	35.54	138
Juni 9	59.541	151	83.82	105	56.179	87	35.99	86	34.518	75	31.67	54	50.546	113	36.92	115
19	59.390	159	84.87	69	56.092	96	36.85	74	34.443	87	31.13	57	50.433	125	38.07	88
29	59.231	164	85.56	33	55.996	103	37.59	60	34.356	96	30.56	59	50.308	133	38.95	59
Juli 9	59.067	163	85.89	6	55.893	107	38.19	44	34.260	101	29.97	60	50.175	137	39.54	28
19	58.904	159	85.83	45	55.786	106	38.63	28	34.159	103	29.37	57	50.038	137	39.82	3
29	58.745	150	85.38	82	55.680	103	38.91	9	34.056	102	28.80	54	49.901	132	39.79	35
Aug. 8	58.595	135	84.56	119	55.577	94	39.00	10	33.954	94	28.26	49	49.769	123	39.44	68
18	58.460	115	83.37	154	55.483	79	38.90	32	33.860	82	27.77	39	49.646	108	38.76	99
28	58.345	89	81.83	189	55.404	61	38.58	54	33.778	63	27.38	28	49.538	87	37.77	130
Sept. 7	58.256	56	79.94	219	55.343	35	38.04	77	33.715	37	27.10	13	49.451	60	36.47	161
17	58.200	19	77.75	247	55.308	3	37.27	101	33.678	7	26.97	6	49.391	27	34.86	189
27	58.181	25	75.28	272	55.305	32	36.26	126	33.671	31	27.03	26	49.364	11	32.97	216
Okt. 7	58.206	73	72.56	292	55.337	74	35.00	151	33.702	71	27.29	51	49.375	55	30.81	239
17	58.279	124	69.64	307	55.411	118	33.49	174	33.773	117	27.80	76	49.430	103	28.42	259
27	58.403	177	66.57	314	55.529	163	31.75	196	33.890	163	28.56	103	49.533	152	25.83	275
Nov. 6	58.580	229	63.43	317	55.692	208	29.79	214	34.053	208	29.59	131	49.685	201	23.08	283
16	58.809	279	60.26	309	55.900	249	27.65	228	34.261	249	30.90	155	49.886	247	20.25	286
26	59.088	320	57.17	295	56.149	285	25.37	236	34.510	286	32.45	177	50.133	288	17.39	281
Dez. 6	59.408	356	54.22	270	56.434	313	23.01	238	34.796	313	34.22	194	50.421	320	14.58	268
16	59.764	379	51.52	238	56.747	331	20.63	232	35.109	331	36.16	207	50.741	345	11.90	247
26	60.143	390	49.14	198	57.078	340	18.31	219	35.440	341	38.23	211	51.086	357	9.43	216
36	60.533		47.16		57.418		16.12		35.781		40.34		51.443		7.27	
Mittl. Ort	56.630		87.94		53.487		48.54		31.826		13.76		47.719		44.11	
sec δ, tg δ	1.281		+0.800		1.020		+0.200		1.004		−0.091		1.135		+0.536	
a, *a'*	+2.8		−19.5		+3.0		−19.4		+3.1		−19.2		+2.9		−19.1	
b, *b'*	−0.05		+ 0.23		−0.01		+ 0.25		+0.01		+ 0.29		−0.03		+ 0.30	

Scheinbare Sternörter 1934

Tag	495) γ Hydrae AR.	Δ	495) γ Hydrae Dekl.	Δ	496) ι Centauri AR.	Δ	496) ι Centauri Dekl.	Δ
1934	13ʰ 15ᵐ		−22° 49′		13ʰ 16ᵐ		−36° 21′	
Jan. 1	20.039	364	26.06	197	52.851	402	48.67	176
11	20.403	356	28.03	211	53.253	394	50.43	205
21	20.759	339	30.14	219	53.647	374	52.48	226
31	21.098	312	32.33	219	54.021	345	54.74	242
Feb. 10	21.410	279	34.52	215	54.366	310	57.16	250
20	21.689	245	36.67	206	54.676	270	59.66	252
März 2	21.934	206	38.73	192	54.946	229	62.18	249
12	22.140	168	40.65	175	55.175	187	64.67	241
22	22.308	132	42.40	157	55.362	146	67.08	228
Apr. 1	22.440	96	43.97	138	55.508	107	69.36	213
11	22.536	64	45.35	117	55.615	69	71.49	194
20	22.600	34	46.52	97	55.684	35	73.43	174
30	22.634	7	47.49	77	55.719	3	75.17	150
Mai 10	22.641	19	48.26	56	55.722	27	76.67	126
20	22.622	40	48.82	36	55.695	55	77.93	99
30	22.582	61	49.18	17	55.640	79	78.92	71
Juni 9	22.521	79	49.35	3	55.561	101	79.63	42
19	22.442	94	49.32	21	55.460	119	80.05	13
29	22.348	107	49.11	40	55.341	135	80.18	17
Juli 9	22.241	115	48.71	57	55.206	145	80.01	46
19	22.126	119	48.14	72	55.061	151	79.55	74
29	22.007	119	47.42	86	54.910	149	78.81	99
Aug. 8	21.888	112	46.56	95	54.761	141	77.82	122
18	21.776	99	45.61	102	54.620	125	76.60	140
28	21.677	78	44.59	104	54.495	101	75.20	153
Sept. 7	21.599	52	43.55	101	54.394	69	73.67	159
17	21.547	17	42.54	92	54.325	28	72.08	158
27	21.530	24	41.62	78	54.297	20	70.50	151
Okt. 7	21.554	70	40.84	58	54.317	72	68.99	135
17	21.624	119	40.26	33	54.389	129	67.64	111
27	21.743	169	39.93	3	54.518	186	66.53	82
Nov. 6	21.912	219	39.90	30	54.704	242	65.71	46
16	22.131	263	40.20	64	54.946	292	65.25	6
26	22.394	303	40.84	97	55.238	336	65.19	35
Dez. 6	22.697	333	41.81	131	55.574	369	65.54	77
16	23.030	353	43.12	159	55.943	389	66.31	117
26	23.383	363	44.71	183	56.332	404	67.48	154
36	23.746		46.54		56.736		69.02	
Mittl. Ort	19.747		26.26		52.706		53.11	
sec δ, tg δ	1.085		−0.421		1.242		−0.736	
a, *a′*	+3.3		−19.0		+3.4		−18.9	
b, *b′*	+0.03		+ 0.32		+0.05		+ 0.33	

Tag	497) ζ Ursae maj. pr. AR.	Δ	497) ζ Ursae maj. pr. Dekl.	Δ	498) α Virginis AR.	Δ	498) α Virginis Dekl.	Δ
1934	13ʰ 21ᵐ		+55° 15′		13ʰ 21ᵐ		−10° 49′	
Jan. 1	16.996	487	46.77	171	43.120	347	6.72	205
11	17.483	488	45.06	111	43.467	340	8.77	207
21	17.971	474	43.95	48	43.807	324	10.84	201
31	18.445	443	43.47	15	44.131	301	12.85	190
Feb. 10	18.888	401	43.62	75	44.432	271	14.75	174
20	19.289	346	44.37	132	44.703	238	16.49	154
März 2	19.635	285	45.69	180	44.941	202	18.03	132
12	19.920	218	47.49	221	45.143	165	19.35	110
22	20.138	150	49.70	251	45.308	130	20.45	87
Apr. 1	20.288	83	52.21	269	45.438	98	21.32	64
11	20.371	18	54.90	277	45.536	66	21.96	45
20	20.389	42	57.67	274	45.602	38	22.41	26
30	20.347	95	60.41	260	45.640	12	22.67	9
Mai 10	20.252	143	63.01	238	45.652	12	22.76	5
20	20.109	184	65.39	208	45.640	33	22.71	17
30	19.925	217	67.47	172	45.607	52	22.54	29
Juni 9	19.708	242	69.19	131	45.555	69	22.25	39
19	19.466	262	70.50	85	45.486	83	21.86	46
29	19.204	274	71.35	39	45.403	95	21.40	53
Juli 9	18.930	279	71.74	10	45.308	104	20.87	59
19	18.651	276	71.64	58	45.204	109	20.28	62
29	18.375	267	71.06	106	45.095	110	19.66	64
Aug. 8	18.108	250	70.00	151	44.985	104	19.02	63
18	17.858	226	68.49	195	44.881	93	18.39	59
28	17.632	193	66.54	234	44.788	76	17.80	51
Sept. 7	17.439	152	64.20	270	44.712	53	17.29	42
17	17.287	104	61.50	302	44.659	20	16.87	27
27	17.183	48	58.48	328	44.639	17	16.60	8
Okt. 7	17.135	15	55.20	348	44.656	58	16.52	14
17	17.150	81	51.72	361	44.714	105	16.66	39
27	17.231	152	48.11	365	44.819	152	17.05	66
Nov. 6	17.383	223	44.46	363	44.971	199	17.71	95
16	17.606	290	40.83	349	45.170	243	18.66	123
26	17.896	353	37.34	326	45.413	280	19.89	148
Dez. 6	18.249	406	34.08	295	45.693	312	21.37	171
16	18.655	448	31.13	253	46.005	332	23.08	188
26	19.103	475	28.60	203	46.337	343	24.96	200
36	19.578		26.57		46.680		26.96	
Mittl. Ort	16.323		70.48		42.774		2.64	
sec δ, tg δ	1.755		+1.443		1.018		−0.191	
a, *a′*	+2.4		−18.8		+3.2		−18.8	
b, *b′*	−0.09		+ 0.35		+0.01		+ 0.35	

Tag	499) Grb 2001				500) 69 H. Urs. maj.				501) ζ Virginis				502) 17 H. Can. ven.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1934	13h 24m		+72° 43′		13h 26m		+60° 16′		13h 31m		—0° 15′		13h 31m		+37° 30′	
Jan. 1	27.67s	81	35.86″	139	2.57s	54	45.98″	167	20.054s	338	40.88″	211	51.583s	384	52.01″	205
11	28.48	83	34.47	74	3.11	54	44.31	105	20.392	335	42.99	200	51.967	384	49.96	157
21	29.31	81	33.73	7	3.65	53	43.26	41	20.727	321	44.99	184	52.351	373	48.39	106
31	30.12	77	33.66	59	4.18	50	42.85	25	21.048	300	46.83	162	52.724	350	47.33	50
Feb. 10	30.89	70	34.25	123	4.68	45	43.10	87	21.348	272	48.45	135	53.074	319	46.83	4
20	31.59	60	35.48	179	5.13	39	43.97	144	21.620	241	49.80	107	53.393	279	46.87	58
März 2	32.19	49	37.27	227	5.52	32	45.41	194	21.861	206	50.87	78	53.672	236	47.45	105
12	32.68	36	39.54	265	5.84	25	47.35	234	22.067	170	51.65	50	53.908	190	48.50	146
22	33.04	23	42.19	291	6.09	17	49.69	264	22.237	135	52.15	23	54.098	142	49.96	179
Apr. 1	33.27	10	45.10	305	6.26	9	52.33	283	22.372	103	52.38	1	54.240	96	51.75	205
11	33.37	4	48.15	308	6.35	2	55.16	290	22.475	71	52.37	21	54.336	53	53.80	219
20	[13] 33.33	16	51.23	297	[14] 6.37	5	58.06	286	[15] 22.546	42	52.16	38	[15] 54.389	12	55.99	225
30	33.17	27	54.20	277	6.32	12	60.92	271	22.588	16	51.78	50	54.401	25	58.24	222
Mai 10	32.90	37	56.97	248	6.20	18	63.63	246	22.604	8	51.28	60	54.376	58	60.46	211
20	32.53	46	59.45	210	6.02	23	66.09	216	22.596	29	50.68	65	54.318	87	62.57	193
30	32.07	52	61.55	166	5.79	26	68.25	176	22.567	49	50.03	69	54.231	111	64.50	168
Juni 9	31.55	58	63.21	117	5.53	30	70.01	133	22.518	66	49.34	69	54.120	131	66.18	139
19	30.97	62	64.38	66	5.23	32	71.34	87	22.452	81	48.65	68	53.989	149	67.57	105
29	30.35	64	65.04	12	4.91	33	72.21	36	22.371	94	47.97	64	53.840	161	68.62	69
Juli 9	29.71	64	65.16	42	4.58	34	72.57	14	22.277	103	47.33	59	53.679	168	69.31	32
19	29.07	63	64.74	95	4.24	34	72.43	64	22.174	109	46.74	52	53.511	172	69.63	7
29	28.44	61	63.79	146	3.90	33	71.79	113	22.065	111	46.22	43	53.339	170	69.56	47
Aug. 8	27.83	57	62.33	195	3.57	30	70.66	160	21.954	107	45.79	33	53.169	162	69.09	86
18	27.26	51	60.38	239	3.27	28	69.06	205	21.847	98	45.46	20	53.007	149	68.23	124
28	26.75	45	57.99	280	2.99	25	67.01	246	21.749	82	45.26	5	52.858	128	66.99	161
Sept. 7	26.30	37	55.19	314	2.74	19	64.55	283	21.667	60	45.21	12	52.730	101	65.38	195
17	25.93	27	52.05	344	2.55	14	61.72	314	21.607	31	45.33	32	52.629	66	63.43	227
27	25.66	17	48.61	366	2.41	8	58.58	340	21.576	4	45.65	53	52.563	26	61.16	257
Okt. 7	25.49	6	44.95	382	2.33	1	55.18	360	21.580	44	46.18	77	52.537	21	58.59	281
17	25.43	6	41.13	388	2.32	7	51.58	371	21.624	90	46.95	102	52.558	72	55.78	301
27	25.49	19	37.25	386	2.39	15	47.87	375	21.714	136	47.97	127	52.630	127	52.77	315
Nov. 6	25.68	31	33.39	376	2.54	23	44.12	370	21.850	182	49.24	151	52.757	181	49.62	322
16	25.99	44	29.63	355	2.77	31	40.42	356	22.032	226	50.75	173	52.938	234	46.40	321
26	26.43	56	26.08	323	3.08	37	36.86	331	22.258	266	52.48	191	53.172	282	43.19	312
Dez. 6	26.99	65	22.85	283	3.45	44	33.55	296	22.524	297	54.39	204	53.454	323	40.07	294
16	27.64	73	20.02	233	3.89	49	30.59	253	22.821	320	56.43	212	53.777	354	37.13	266
26	28.37	80	17.69	176	4.38	52	28.06	200	23.141	333	58.55	212	54.131	374	34.47	229
36	29.17		15.93		4.90		26.06		23.474		60.67		54.505		32.18	
Mittl. Ort	26.93		61.86		1.94		70.54		19.700		32.91		51.087		71.87	
sec δ, tg δ	3.369		+3.217		2.018		+1.752		1.000		—0.005		1.261		+0.768	
a, *a′*	+1.5		—18.7		+2.2		—18.6		+3.1		—18.5		+2.7		—18.5	
b, *b′*	—0.20		+ 0.36		—0.11		+ 0.37		0.00		+ 0.39		—0.05		+ 0.39	

Scheinbare Sternörter 1934

Tag	504) ε Centauri AR.		504) ε Centauri Dekl.		507) τ Bootis AR.		507) τ Bootis Dekl.		509) η Ursae maj. AR.		509) η Ursae maj. Dekl.		510) 89 Virginis AR.		510) 89 Virginis Dekl.	
1934	$13^h 35^m$		$-53° 7'$		$13^h 44^m$		$+17° 46'$		$13^h 44^m$		$+49° 37'$		$13^h 46^m$		$-17° 48'$	
Jan. 1	41ˢ.217	509	45″.87	121	7ˢ.889	341	51″.60	219	56ˢ.947	434	68″.68	203	17ˢ.050	354	24″.18	185
11	41.726	503	47.08	164	8.230	341	49.41	191	57.381	439	66.65	148	17.404	351	26.03	194
21	42.229	484	48.72	203	8.571	332	47.50	155	57.820	433	65.17	88	17.755	340	27.97	198
31	42.713	452	50.75	235	8.903	312	45.95	115	58.253	412	64.29	27	18.095	321	29.95	194
Feb. 10	43.165	413	53.10	259	9.215	287	44.80	74	58.665	379	64.02	35	18.416	293	31.89	187
20	43.578	368	55.69	278	9.502	255	44.06	31	59.044	335	64.37	93	18.709	263	33.76	173
März 2	43.946	317	58.47	290	9.757	220	43.75	10	59.379	286	65.30	146	18.972	230	35.49	158
12	44.263	265	61.37	294	9.977	183	43.85	47	59.665	230	66.76	189	19.202	194	37.07	140
22	44.528	213	64.31	293	10.160	145	44.32	80	59.895	174	68.65	226	19.396	160	38.47	121
Apr. 1	44.741	162	67.24	287	10.305	110	45.12	107	60.069	115	70.91	250	19.556	127	39.68	101
11	44.903	111	70.11	275	10.415	76	46.19	126	60.184	60	73.41	265	19.683	96	40.69	82
20	45.014	61	72.86	258	10.491	43	47.45	140	60.244	7	76.06	269	19.779	65	41.51	65
30	45.075	15	75.44	237	10.534	14	48.85	147	60.251	42	78.75	263	19.844	37	42.16	47
Mai 10	45.090	30	77.81	212	10.548	13	50.32	148	60.209	86	81.38	248	19.881	11	42.63	31
20	45.060	72	79.93	183	10.535	37	51.80	142	60.123	124	83.86	223	19.892	13	42.94	16
30	44.988	111	81.76	149	10.498	59	53.22	133	59.999	159	86.09	194	19.879	37	43.10	1
Juni 9	44.877	147	83.25	114	10.439	78	54.55	118	59.840	187	88.03	157	19.842	59	43.11	12
19	44.730	178	84.39	75	10.361	95	55.73	101	59.653	209	89.60	117	19.783	77	42.99	25
29	44.552	204	85.14	35	10.266	109	56.74	81	59.444	226	90.77	73	19.706	95	42.74	38
Juli 9	44.348	222	85.49	6	10.157	119	57.55	59	59.218	237	91.50	28	19.611	107	42.36	49
19	44.126	234	85.43	47	10.038	126	58.14	35	58.981	242	91.78	18	19.504	117	41.87	58
29	43.892	236	84.96	87	9.912	129	58.49	9	58.739	241	91.60	65	19.387	122	41.29	67
Aug. 8	43.656	227	84.09	124	9.783	127	58.58	17	58.498	231	90.95	110	19.265	120	40.62	73
18	43.429	208	82.85	157	9.656	118	58.41	43	58.267	216	89.85	154	19.145	113	39.89	76
28	43.221	176	81.28	185	9.538	103	57.98	72	58.051	192	88.31	195	19.032	98	39.13	75
Sept. 7	43.045	134	79.43	206	9.435	82	57.26	99	57.859	160	86.36	234	18.934	75	38.38	71
17	42.911	81	77.37	219	9.353	53	56.27	126	57.699	119	84.02	269	18.859	44	37.67	63
27	42.830	17	75.18	222	9.300	19	55.01	154	57.580	72	81.33	299	18.815	8	37.04	49
Okt. 7	42.813	53	72.96	218	9.281	22	53.47	180	57.508	17	78.34	324	18.807	36	36.55	31
17	42.866	128	70.78	202	9.303	67	51.67	204	57.491	42	75.10	342	18.843	83	36.24	8
27	42.994	204	68.76	177	9.370	115	49.63	226	57.533	107	71.68	355	18.926	134	36.16	17
Nov. 6	43.198	279	66.99	144	9.485	163	47.37	242	57.640	173	68.13	357	19.060	183	36.33	45
16	43.477	347	65.55	105	9.648	210	44.95	255	57.813	235	64.56	352	19.243	231	36.78	76
26	43.824	406	64.50	58	9.858	252	42.40	261	58.048	296	61.04	336	19.474	273	37.54	104
Dez. 6	44.230	454	63.92	10	10.110	288	39.79	260	58.344	347	57.68	311	19.747	307	38.58	132
16	44.684	486	63.82	41	10.398	316	37.19	249	58.691	389	54.57	277	20.054	333	39.90	156
26	45.170	505	64.23	89	10.714	332	34.70	233	59.080	419	51.80	233	20.387	348	41.46	174
36	45.675		65.12		11.046		32.37		59.499		49.47		20.735		43.20	
Mittl. Ort	41.499		54.12		7.540		65.81		56.567		91.38		16.886		21.88	
sec δ, tg δ	1.667		−1.333		1.050		+0.321		1.544		+1.177		1.050		−0.321	
a, *a'*	+3.8		−18.3		+2.9		−18.0		+2.4		−18.0		+3.3		−17.9	
b, *b'*	+0.08		+ 0.41		−0.02		+ 0.44		−0.07		+ 0.44		+0.02		+ 0.45	

Tag	512) ζ Centauri AR.		512) ζ Centauri Dekl.		513) η Bootis AR.		513) η Bootis Dekl.		517) 11 Bootis AR.		517) 11 Bootis Dekl.		516) τ Virginis AR.		516) τ Virginis Dekl.	
1934	13h 51m		−46° 57′		13h 51m		+18° 43′		13h 58m		+27° 41′		13h 58m		+1° 51′	
Jan. 1	24.379 s	459	45.77″	117	32.837 s	341	25.64″	223	11.254 s	350	59.24″	228	17.371 s	334	37.89″	210
11	24.838	458	46.94	155	33.178	342	23.41	194	11.604	356	56.96	188	17.705	335	35.79	198
21	25.296	445	48.49	189	33.520	334	21.47	157	11.960	348	55.08	144	18.040	326	33.81	180
31	25.741	419	50.38	216	33.854	317	19.90	117	12.308	333	53.64	96	18.366	311	32.01	156
Feb. 10	26.160	388	52.54	237	34.171	292	18.73	74	12.641	308	52.68	47	18.677	287	30.45	128
20	26.548	350	54.91	252	34.463	262	17.99	30	12.949	278	52.21	4	18.964	259	29.17	97
März 2	26.898	306	57.43	261	34.725	227	17.69	11	13.227	241	52.25	50	19.223	227	28.20	67
12	27.204	261	60.04	263	34.952	191	17.80	50	13.468	204	52.75	93	19.450	195	27.53	36
22	27.465	217	62.67	261	35.143	154	18.30	84	13.672	163	53.68	129	19.645	161	27.17	8
Apr. 1	27.682	173	65.28	254	35.297	117	19.14	110	13.835	125	54.97	158	19.806	128	27.09	17
11	27.855	128	67.82	243	35.414	84	20.24	132	13.960	86	56.55	179	19.934	98	27.26	39
20*	[20] 27.983	85	70.25	228	[20] 35.498	51	21.56	146	[22] 14.046	51	58.34	192	[22] 20.032	68	27.65	55
30	28.068	44	72.53	209	35.549	20	23.02	153	14.097	18	60.26	197	20.100	40	28.20	68
Mai 10	28.112	5	74.62	187	35.569	6	24.55	153	14.115	14	62.23	193	20.140	14	28.88	76
20	28.117	34	76.49	161	35.563	32	26.08	148	14.101	41	64.16	184	20.154	10	29.64	81
30	28.083	71	78.10	133	35.531	55	27.56	138	14.060	67	66.00	167	20.144	32	30.45	82
Juni 9	28.012	104	79.43	102	35.476	75	28.94	124	13.993	90	67.67	147	20.112	53	31.27	81
19	27.908	133	80.45	68	35.401	93	30.18	105	13.903	110	69.14	123	20.059	72	32.08	77
29	27.775	160	81.13	33	35.308	109	31.23	85	13.793	126	70.37	93	19.987	89	32.85	71
Juli 9	27.615	180	81.46	2	35.199	120	32.08	61	13.667	139	71.30	63	19.898	102	33.56	62
19	27.435	194	81.44	39	35.079	128	32.69	36	13.528	148	71.93	31	19.796	112	34.18	53
29	27.241	201	81.05	74	34.951	132	33.05	10	13.380	152	72.24	3	19.684	118	34.71	42
Aug. 8	27.040	197	80.31	106	34.819	131	33.15	17	13.228	150	72.21	36	19.566	119	35.13	29
18	26.843	186	79.25	136	34.688	123	32.98	44	13.078	144	71.85	71	19.447	113	35.42	15
28	26.657	162	77.89	160	34.565	109	32.54	74	12.934	129	71.14	105	19.334	101	35.57	2
Sept. 7	26.495	127	76.29	180	34.456	89	31.80	102	12.805	107	70.09	138	19.233	82	35.55	20
17	26.368	84	74.49	190	34.367	60	30.78	130	12.698	80	68.71	170	19.151	56	35.35	40
27	26.284	30	72.59	195	34.307	27	29.48	158	12.618	43	67.01	200	19.095	22	34.95	62
Okt. 7	26.254	30	70.64	189	34.280	14	27.90	184	12.575	2	65.01	229	19.073	18	34.33	86
17	26.284	98	68.75	175	34.294	59	26.06	209	12.573	46	62.72	252	19.091	61	33.47	110
27	26.382	166	67.00	154	34.353	108	23.97	230	12.619	95	60.20	272	19.152	109	32.37	134
Nov. 6	26.548	233	65.46	122	34.461	156	21.67	248	12.714	148	57.48	287	19.261	157	31.03	157
16	26.781	298	64.24	87	34.617	203	19.19	260	12.862	198	54.61	295	19.418	202	29.46	179
26	27.079	353	63.37	44	34.820	247	16.59	266	13.060	245	51.66	295	19.620	245	27.67	195
Dez. 6	27.432	398	62.93	1	35.067	284	13.93	264	13.305	285	48.71	287	19.865	280	25.72	207
16	27.830	433	62.92	45	35.351	313	11.29	254	13.590	317	45.84	271	20.145	308	23.65	213
26	28.263	453	63.37	88	35.664	332	8.75	237	13.907	340	43.13	244	20.453	326	21.52	212
36	28.716		64.25		35.996		6.38		14.247		40.69		20.779		19.40	
Mittl. Ort	24.613		51.96		32.534		40.22		10.984		76.52		17.160		47.05	
sec δ, tg δ	1.465		−1.071		1.056		+0.339		1.130		+0.525		1.000		+0.033	
a, *a'*	+3.7		−17.7		+2.9		−17.7		+2.7		−17.4		+3.1		−17.4	
b, *b'*	+0.06		+ 0.47		−0.02		+ 0.47		−0.03		+ 0.49		0.00		+ 0.49	

*) Bei Stern 517) und 516) lies April 21

Tag	518) β Centauri				521) α Draconis				520) ϑ Centauri				522) *d* Bootis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1934	13ʰ 59ᵐ		—60° 3′		14ʰ 2ᵐ		+64° 40′		14ʰ 2ᵐ		—36° 2′		14ʰ 7ᵐ		+25° 23′	
Jan. 1	8.18	60	11.98	72	36.09	57	62.14	201	47.276	400	43.61	134	23.588	344	55.99	231
11	8.78	59	12.70	120	36.66	60	60.13	140	47.676	401	44.95	162	23.932	350	53.68	195
21	9.37	58	13.90	165	37.26	60	58.73	74	48.077	391	46.57	186	24.282	345	51.73	154
31	9.95	55	15.55	204	37.86	58	57.99	7	48.468	372	48.43	202	24.627	331	50.19	107
Feb. 10	10.50	51	17.59	236	38.44	54	57.92	58	48.840	345	50.45	214	24.958	308	49.12	58
20	11.01	46	19.95	264	38.98	49	58.50	122	49.185	314	52.59	219	25.266	280	48.54	10
März 2	11.47	42	22.59	283	39.47	43	59.72	177	49.499	278	54.78	220	25.546	246	48.44	37
12	11.89	35	25.42	295	39.90	34	61.49	224	49.777	240	56.98	217	25.792	209	48.81	79
22	12.24	29	28.37	303	40.24	26	63.73	262	50.017	203	59.15	208	26.001	172	49.60	116
Apr. 1	12.53	23	31.40	303	40.50	17	66.35	288	50.220	165	61.23	198	26.173	134	50.76	147
11	12.76	18	34.43	298	40.67	8	69.23	301	50.385	129	63.21	185	26.307	97	52.23	168
21	12.94	11	37.41	287	40.75	0	72.24	305	50.514	93	65.06	170	26.404	62	53.91	183
30	[22] 13.05	5	40.28	270	[23] 40.75	9	75.29	296	[23] 50.607	59	66.76	152	[24] 26.466	29	55.74	190
Mai 10	13.10	0	42.98	250	40.66	16	78.25	277	50.666	25	68.28	133	26.495	1	57.64	188
20	13.10	6	45.48	222	40.50	23	81.02	250	50.691	7	69.61	112	26.494	30	59.52	181
30	13.04	12	47.70	192	40.27	28	83.52	215	50.684	38	70.73	89	26.464	56	61.33	167
Juni 9	12.92	17	49.62	157	39.99	34	85.67	174	50.646	67	71.62	65	26.408	79	63.00	149
19	12.75	21	51.19	117	39.65	38	87.41	127	50.579	93	72.27	40	26.329	101	64.49	126
29	12.54	24	52.36	76	39.27	40	88.68	78	50.486	117	72.67	14	26.228	118	65.75	99
Juli 9	12.30	28	53.12	32	38.87	42	89.46	26	50.369	137	72.81	13	26.110	133	66.74	70
19	12.02	30	53.44	13	38.45	44	89.72	25	50.232	152	72.68	39	25.977	143	67.44	40
29	11.72	30	53.31	58	38.01	43	89.47	77	50.080	159	72.29	65	25.834	149	67.84	8
Aug. 8	11.42	31	52.73	101	37.58	42	88.70	128	49.921	161	71.64	89	25.685	150	67.92	24
18	11.11	28	51.72	141	37.16	39	87.42	176	49.760	153	70.75	109	25.535	144	67.68	58
28	10.83	25	50.31	177	36.77	36	85.66	222	49.607	137	69.66	125	25.391	132	67.10	91
Sept. 7	10.58	21	48.54	205	36.41	32	83.44	262	49.470	111	68.41	137	25.259	111	66.19	124
17	10.37	14	46.49	228	36.09	26	80.82	300	49.359	76	67.04	142	25.148	85	64.95	155
27	10.23	8	44.21	240	35.83	19	77.82	330	49.283	33	65.62	142	25.063	50	63.40	186
Okt. 7	10.15	1	41.81	243	35.64	11	74.52	356	49.250	18	64.20	133	25.013	10	61.54	214
17	10.16	10	39.38	236	35.53	3	70.96	373	49.268	74	62.87	118	25.003	37	59.40	239
27	10.26	19	37.02	219	35.50	6	67.23	382	49.342	134	61.69	95	25.040	86	57.01	260
Nov. 6	10.45	28	34.83	191	35.56	16	63.41	383	49.476	192	60.74	67	25.126	138	54.41	277
16	10.73	37	32.92	155	35.72	25	59.58	373	49.668	249	60.07	35	25.264	188	51.64	286
26	11.10	44	31.37	113	35.97	34	55.85	353	49.917	298	59.72	2	25.452	234	48.78	290
Dez. 6	11.54	51	30.24	64	36.31	43	52.32	324	50.215	340	59.74	40	25.686	276	45.88	284
16	12.05	55	29.60	14	36.74	49	49.08	283	50.555	373	60.14	76	25.962	309	43.04	270
26	12.60	58	29.46	38	37.23	55	46.25	234	50.928	391	60.90	112	26.271	332	40.34	247
36	13.18		29.84		37.78		43.91		51.319		62.02		26.603		37.87	
Mittl. Ort	8.88		20.73		36.08		87.12		47.385		46.47		23.385		72.63	
sec δ, tg δ	2.003		—1.736		2.339		+2.115		1.237		—0.728		1.107		+0.475	
a, *a′*	+4.2		—17.4		+1.6		—17.2		+3.6		—17.2		+2.7		—17.0	
b, *b′*	+0.10		+ 0.50		—0.12		+ 0.51		+0.04		+ 0.51		—0.03		+ 0.53	

Tag	524) 4 Ursae min. AR.	Δ	524) Dekl.	Δ	523) κ Virginis AR.	Δ	523) Dekl.	Δ	525) ι Virginis AR.	Δ	525) Dekl.	Δ	526) α Bootis AR.	Δ	526) Dekl.	Δ
1934	14h 8m		+77° 50′		14h 9m		−9° 58′		14h 12m		−5° 41′		14h 12m		+19° 30′	
Jan. 1	63.64	102	61.66	184	22.404	339	8.02	188	33.120	334	18.11	197	39.185	333	75.94	235
11	64.66	109	59.82	122	22.743	342	9.90	188	33.454	338	20.08	193	39.518	339	73.59	205
21	65.75	111	58.60	54	23.085	334	11.78	184	33.792	331	22.01	183	39.857	334	71.54	169
31	66.86	108	58.06	14	23.419	320	13.62	173	34.123	318	23.84	168	40.191	321	69.85	128
Feb. 10	67.94	103	58.20	80	23.739	298	15.35	157	34.441	296	25.52	148	40.512	301	68.57	84
20	68.97	93	59.00	142	24.037	271	16.92	138	34.737	270	27.00	124	40.813	273	67.73	38
März 2	69.90	80	60.42	197	24.308	241	18.30	116	35.007	240	28.24	99	41.086	241	67.35	5
12	70.70	65	62.39	244	24.549	209	19.46	94	35.247	209	29.23	73	41.327	208	67.40	45
22	71.35	47	64.83	278	24.758	177	20.40	71	35.456	177	29.96	48	41.535	172	67.85	81
Apr. 1	71.82	30	67.61	302	24.935	145	21.11	49	35.633	146	30.44	26	41.707	137	68.66	111
11	72.12	11	70.63	314	25.080	115	21.60	30	35.779	115	30.70	5	41.844	102	69.77	135
21	[24]72.23	8	73.77	314	25.195	86	21.90	13	35.894	87	30.75	12	41.946	70	71.12	149
30	72.15	25	76.91	302	[25]25.281	57	22.03	3	[25]35.981	58	30.63	27	[25]42.016	38	72.61	159
Mai 10	71.90	42	79.93	281	25.338	31	22.00	15	36.039	31	30.36	38	42.054	9	74.20	161
20	71.48	57	82.74	249	25.369	4	21.85	26	36.070	6	29.98	46	42.063	18	75.81	157
30	70.91	69	85.23	211	25.373	19	21.59	33	36.076	19	29.52	52	42.045	45	77.38	147
Juni 9	70.22	79	87.34	167	25.354	43	21.26	41	36.057	41	29.00	56	42.000	67	78.85	133
19	69.43	88	89.01	117	25.311	64	20.85	46	36.016	63	28.44	57	41.933	88	80.18	114
29	68.55	94	90.18	66	25.247	83	20.39	51	35.953	83	27.87	58	41.845	107	81.32	93
Juli 9	67.61	99	90.84	11	25.164	100	19.88	53	35.870	98	27.29	57	41.738	123	82.25	69
19	66.62	99	90.95	42	25.064	112	19.35	54	35.772	112	26.72	54	41.615	134	82.94	43
29	65.63	99	90.53	95	24.952	121	18.81	55	35.660	119	26.18	49	41.481	141	83.37	16
Aug. 8	64.64	96	89.58	147	24.831	122	18.26	53	35.541	123	25.69	44	41.340	143	83.53	13
18	63.68	91	88.11	195	24.709	120	17.73	50	35.418	120	25.25	37	41.197	139	83.40	42
28	62.77	83	86.16	240	24.589	108	17.23	43	35.298	109	24.88	26	41.058	127	82.98	71
Sept. 7	61.94	74	83.76	281	24.481	89	16.80	34	35.189	92	24.62	13	40.931	110	82.27	101
17	61.20	63	80.95	316	24.392	64	16.46	22	35.097	65	24.49	1	40.821	83	81.26	131
27	60.57	49	77.79	345	24.328	29	16.24	5	35.032	34	24.50	19	40.738	51	79.95	159
Okt. 7	60.08	34	74.34	367	24.299	11	16.19	13	34.998	7	24.69	40	40.687	11	78.36	188
17	59.74	18	70.67	382	24.310	56	16.32	35	35.005	51	25.09	62	40.676	33	76.48	213
27	59.56	1	66.85	388	24.366	105	16.67	59	35.056	99	25.71	87	40.709	82	74.35	235
Nov. 6	59.55	18	62.97	384	24.471	155	17.26	85	35.155	148	26.58	111	40.791	132	72.00	254
16	59.73	37	59.13	372	24.626	202	18.11	110	35.303	195	27.69	134	40.923	181	69.46	267
26	60.10	54	55.41	348	24.828	245	19.21	133	35.498	239	29.03	156	41.104	226	66.79	274
Dez. 6	60.64	70	51.93	314	25.073	283	20.54	154	35.737	276	30.59	174	41.330	267	64.05	274
16	61.34	85	48.79	272	25.356	311	22.08	171	36.013	305	32.33	186	41.597	298	61.31	265
26	62.19	96	46.07	219	25.667	330	23.79	182	36.318	325	34.19	194	41.895	321	58.66	247
36	63.15		43.88		25.997		25.61		36.643		36.13		42.216		56.19	
Mittl. Ort	64.46		87.62		22.308		2.58		33.019		11.22		39.019		90.86	
sec δ, tg δ	4.754		+4.648		1.015		−0.176		1.005		−0.100		1.061		+0.355	
a, *a′*	−0.2		−16.9		+3.2		−16.9		+3.1		−16.8		+2.8		−16.8	
b, *b′*	−0.26		+ 0.53		+0.01		+ 0.54		+0.01		+ 0.55		−0.02		+ 0.55	

Scheinbare Sternörter 1934

Tag	527) λ Bootis AR.		527) λ Bootis Dekl.		531) ϑ Bootis AR.		531) ϑ Bootis Dekl.		534) ρ Bootis AR.		534) ρ Bootis Dekl.		535) γ Bootis AR.		535) γ Bootis Dekl.	
1934	14h 13m		+46° 22′		14h 22m		+52° 8′		14h 28m		+30° 39′		14h 29m		+38° 35′	
Jan. 1	52.655	399	64.44	232	56.967	425	55.67	238	59.198	343	19.03	243	25.268	361	26.13	246
11	53.054	413	62.12	180	57.392	444	53.29	183	59.541	354	16.60	204	25.629	375	23.67	201
21	53.467	413	60.32	124	57.836	449	51.46	124	59.895	355	14.56	160	26.004	377	21.66	149
31	53.880	400	59.08	63	58.285	439	50.22	60	60.250	345	12.96	108	26.381	369	20.17	94
Feb. 10	54.280	376	58.45	1	58.724	415	49.62	4	60.595	327	11.88	56	26.750	349	19.23	35
20	54.656	343	58.44	59	59.139	381	49.66	66	60.922	301	11.32	2	27.099	322	18.88	22
März 2	54.999	301	59.03	114	59.520	337	50.32	124	61.223	269	11.30	49	27.421	288	19.10	77
12	55.300	253	60.17	164	59.857	286	51.56	175	61.492	234	11.79	95	27.709	248	19.87	127
22	55.553	204	61.81	204	60.143	230	53.31	218	61.726	196	12.74	137	27.957	207	21.14	169
Apr. 1	55.757	152	63.85	236	60.373	173	55.49	251	61.922	158	14.11	170	28.164	163	22.83	204
11	55.909	100	66.21	257	60.546	114	58.00	273	62.080	119	15.81	195	28.327	120	24.87	228
21	56.009	51	68.78	267	60.660	57	60.73	283	62.199	81	17.76	211	28.447	77	27.15	243
30	56.060	4	71.45	268	60.717	2	63.56	284	62.280	46	19.87	219	28.524	36	29.58	250
Mai 10	56.064	40	74.13	259	60.719	50	66.40	275	62.326	11	22.06	219	28.560	3	32.08	246
20	56.024	81	76.72	242	60.669	97	69.15	256	62.337	21	24.25	211	28.557	39	34.54	235
30	55.943	117	79.14	217	60.572	140	71.71	229	62.316	51	26.36	196	28.518	73	36.89	215
Juni 9	55.826	149	81.31	185	60.432	178	74.00	196	62.265	80	28.32	175	28.445	103	39.04	190
19	55.677	177	83.16	149	60.254	211	75.96	158	62.185	104	30.07	149	28.342	131	40.94	160
29	55.500	199	84.65	108	60.043	238	77.54	114	62.081	126	31.56	121	28.211	155	42.54	124
Juli 9	55.301	217	85.73	65	59.805	259	78.68	69	61.955	145	32.77	87	28.056	173	43.78	87
19	55.084	228	86.38	21	59.546	273	79.37	22	61.810	159	33.64	53	27.883	189	44.65	47
29	54.856	234	86.59	25	59.273	281	79.59	27	61.651	169	34.17	17	27.694	198	45.12	5
Aug. 8	54.622	232	86.34	71	58.992	279	79.32	75	61.482	172	34.34	21	27.496	200	45.17	37
18	54.390	224	85.63	115	58.713	271	78.57	122	61.310	170	34.13	58	27.296	197	44.80	78
28	54.166	206	84.48	158	58.442	252	77.35	168	61.140	159	33.55	95	27.099	185	44.02	120
Sept. 7	53.960	181	82.90	199	58.190	226	75.67	211	60.981	142	32.60	131	26.914	165	42.82	160
17	53.779	147	80.91	237	57.964	188	73.56	249	60.839	115	31.29	166	26.749	137	41.22	197
27	53.632	105	78.54	270	57.776	143	71.07	286	60.724	82	29.63	199	26.612	101	39.25	232
Okt. 7	53.527	55	75.84	301	57.633	89	68.21	315	60.642	42	27.64	231	26.511	57	36.93	263
17	53.472	1	72.83	324	57.544	27	65.06	340	60.600	6	25.33	256	26.454	7	34.30	291
27	53.473	62	69.59	342	57.517	40	61.66	357	60.606	57	22.77	280	26.447	48	31.39	311
Nov. 6	53.535	126	66.17	351	57.557	110	58.09	367	60.663	110	19.97	296	26.495	106	28.28	327
16	53.661	188	62.66	352	57.667	180	54.42	366	60.773	165	17.01	307	26.601	164	25.01	333
26	53.849	249	59.14	344	57.847	248	50.76	357	60.938	214	13.94	308	26.765	220	21.68	331
Dez. 6	54.098	302	55.70	325	58.095	309	47.19	336	61.152	261	10.86	302	26.985	269	18.37	320
16	54.400	348	52.45	296	58.404	362	43.83	306	61.413	299	7.84	287	27.254	311	15.17	299
26	54.748	381	49.49	258	58.766	403	40.77	265	61.712	327	4.97	260	27.565	344	12.18	267
36	55.129		46.91		59.169		38.12		62.039		2.37		27.909		9.51	
Mittl. Ort	52.567		86.27		57.034		78.46		59.159		37.00		25.270		46.04	
sec δ, tg δ	1.450		+1.050		1.630		+1.287		1.162		+0.593		1.279		+0.798	
a, *a′*	+2.3		—16.7		+2.1		—16.3		+2.6		—16.0		+2.4		—15.9	
b, *b′*	—0.06		+ 0.55		—0.07		+ 0.58		—0.03		+ 0.61		—0.04		+ 0.61	

Tag	537) η Centauri AR.		537) η Centauri Dekl.		538) α Centauri [1]) AR.		538) α Centauri [1]) Dekl.		543) ζ Bootis med. AR.		543) ζ Bootis med. Dekl.		542) α Apodis AR.		542) α Apodis Dekl.	
	AR.	Diff.	Dekl.	Diff.	AR.	Diff.	Dekl.	Diff.	AR.	Diff.	Dekl.	Diff.	AR.	Diff.	Dekl.	Diff.
1934	$14^h 31^m$		−41° 52′		$14^h 35^m$		−60° 33′		$14^h 37^m$		+14° 0′		$14^h 39^m$		−78° 45′	
Jan. 1	18.049 s	421	5.15″	86	5.43 s	59	44.33″	30	59.780 s	321	24.11″	228	30.30 s	132	51.71″	41
11	18.470	430	6.01	119	6.02	59	44.63	77	60.101	332	21.83	206	31.62	137	51.30	16
21	18.900	426	7.20	148	6.61	59	45.40	122	60.433	331	19.77	175	32.99	138	51.46	71
31	19.326	411	8.68	173	7.20	57	46.62	163	60.764	323	18.02	140	34.37	135	52.17	124
Feb. 10	19.737	390	10.41	191	7.77	54	48.25	197	61.087	306	16.62	100	35.72	130	53.41	172
20	20.127	361	12.32	204	8.31	50	50.22	227	61.393	284	15.62	59	37.02	123	55.13	215
März 2	20.488	328	14.36	212	8.81	45	52.49	250	61.677	257	15.03	18	38.25	112	57.28	253
12	20.816	293	16.48	216	9.26	40	54.99	267	61.934	227	14.85	21	39.37	100	59.81	284
22	21.109	254	18.64	215	9.66	34	57.66	278	62.161	195	15.06	58	40.37	86	62.65	308
Apr. 1	21.363	216	20.79	212	10.00	28	60.44	283	62.356	163	15.64	88	41.23	72	65.73	325
11	21.579	177	22.91	203	10.28	22	63.27	283	62.519	131	16.52	112	41.95	56	68.98	335
21	21.756	138	24.94	193	10.50	16	66.10	278	62.650	101	17.64	132	42.51	40	72.33	339
30*)	21.894	100	26.87	180	10.66	10	68.88	266	62.751	69	18.96	144	42.91	23	75.72	335
Mai 10	21.994	61	28.67	164	10.76	4	71.54	251	62.820	40	20.40	149	43.14	6	79.07	324
20	22.055	23	30.31	145	10.80	3	74.05	229	62.860	12	21.89	150	43.20	10	82.31	306
30	22.078	14	31.76	124	10.77	8	76.34	204	62.872	16	23.39	144	43.10	27	85.37	281
Juni 9	22.064	51	33.00	101	10.69	14	78.38	173	62.856	41	24.83	135	42.83	42	88.18	250
19	22.013	85	34.01	75	10.55	20	80.11	138	62.815	66	26.18	122	42.41	57	90.68	212
29	21.928	116	34.76	47	10.35	24	81.49	101	62.749	88	27.40	104	41.84	69	92.80	169
Juli 9	21.812	143	35.23	18	10.11	27	82.50	59	62.661	107	28.44	85	41.15	79	94.49	121
19	21.669	165	35.41	11	9.84	31	83.09	17	62.554	123	29.29	64	40.36	87	95.70	70
29	21.504	180	35.30	42	9.53	33	83.26	28	62.431	135	29.93	40	39.49	91	96.40	16
Aug. 8	21.324	187	34.88	71	9.20	33	82.98	71	62.296	141	30.33	17	38.58	93	96.56	39
18	21.137	185	34.17	97	8.87	33	82.27	113	62.155	141	30.50	9	37.65	91	96.17	93
28	20.952	171	33.20	121	8.54	29	81.14	150	62.014	134	30.41	36	36.74	85	95.24	144
Sept. 7	20.781	149	31.99	140	8.25	26	79.64	184	61.880	119	30.05	62	35.89	75	93.80	190
17	20.632	114	30.59	154	7.99	21	77.80	211	61.761	97	29.43	90	35.14	61	91.90	231
27	20.518	71	29.05	161	7.78	13	75.69	229	61.664	67	28.53	117	34.53	44	89.59	262
Okt. 7	20.447	17	27.44	161	7.65	6	73.40	239	61.597	30	27.36	145	34.09	26	86.97	285
17	20.430	43	25.83	152	7.59	3	71.01	239	61.567	13	25.91	171	33.83	4	84.12	295
27	20.473	106	24.31	137	7.62	13	68.62	229	61.580	61	24.20	194	33.79	19	81.17	295
Nov. 6	20.579	171	22.94	115	7.75	22	66.33	208	61.641	110	22.26	217	33.98	42	78.22	282
16	20.750	235	21.79	85	7.97	32	64.25	179	61.751	160	20.09	233	34.40	63	75.40	259
26	20.985	291	20.94	51	8.29	40	62.46	143	61.911	206	17.76	244	35.03	84	72.81	224
Dez. 6	21.276	342	20.43	15	8.69	47	61.03	99	62.117	247	15.32	250	35.87	101	70.57	182
16	21.618	381	20.28	24	9.16	52	60.04	53	62.364	283	12.82	247	36.88	116	68.75	133
26	21.999	409	20.52	61	9.68	56	59.51	3	62.647	308	10.35	237	38.04	127	67.42	78
36	22.408		21.13		10.24		59.48		62.955		7.98		39.31		66.64	
Mittl. Ort	18.400		8.51		6.33		51.66		59.771		37.41		33.94		61.06	
sec δ, tg δ	1.343		−0.896		2.035		−1.772		1.031		+0.249		5.134		−5.035	
a, a′	+3.8		−15.8		+4.6		−15.6		+2.9		−15.5		+7.4		−15.4	
b, b′	+0.05		+ 0.61		+0.09		+ 0.63		−0.01		+ 0.64		+0.26		+ 0.64	

[1]) Ort des hellen Sterns; die jährliche Parallaxe (0.75″) ist bereits berücksichtigt.

*) Bei Stern 538), 543) und 542) lies Mai 1

Scheinbare Sternörter 1934

Tag	545) μ Virginis AR.		545) μ Virginis Dekl.	
1934	$14^h 39^m$		$-5° 22'$	
	s		"	
Jan. 1	34.709	326	27.93	189
11	35.035	333	29.82	185
21	35.368	333	31.67	176
31	35.701	323	33.43	160
Feb. 10	36.024	307	35.03	141
20	36.331	285	36.44	116
März 2	36.616	258	37.60	92
12	36.874	231	38.52	66
22	37.105	201	39.18	40
Apr. 1	37.306	172	39.58	18
11	37.478	142	39.76	4
21	37.620	112	39.72	20
Mai 1	37.732	85	39.52	35
10	[2] 37.817	56	39.17	46
20	37.873	29	38.71	53
30	37.902	2	38.18	58
Juni 9	37.904	24	37.60	62
19	37.880	49	36.98	61
29	37.831	71	36.37	61
Juli 9	37.760	93	35.76	58
19	37.667	109	35.18	54
29	37.558	123	34.64	49
Aug. 8	37.435	129	34.15	43
18	37.306	130	33.72	35
28	37.176	124	33.37	25
Sept. 7	37.052	110	33.12	13
17	36.942	87	32.99	2
27	36.855	57	33.01	18
Okt. 7	36.798	19	33.19	38
17	36.779	24	33.57	59
27	36.803	72	34.16	82
Nov. 6	36.875	122	34.98	105
16	36.997	170	36.03	128
26	37.167	217	37.31	148
Dez. 6	37.384	256	38.79	166
16	37.640	290	40.45	178
26	37.930	313	42.23	186
36	38.243		44.09	
Mittl. Ort	34.744		20.50	
sec δ, tg δ	1.004		−0.094	
a, *a'*	+3.2		−15.4	
b, *b'*	0.00		+ 0.64	

Tag	547) 109 Virginis AR.		547) 109 Virginis Dekl.	
1934	$14^h 42^m$		$+2° 9'$	
	s		"	
Jan. 1	54.588	319	61.70	205
11	54.907	329	59.65	194
21	55.236	328	57.71	177
31	55.564	320	55.94	153
Feb. 10	55.884	305	54.41	125
20	56.189	282	53.16	94
März 2	56.471	258	52.22	63
12	56.729	229	51.59	31
22	56.958	200	51.28	1
Apr. 1	57.158	171	51.27	25
11	57.329	140	51.52	48
21	57.469	111	52.00	67
Mai 1	57.580	82	52.67	80
10	[3] 57.662	54	53.47	89
20	57.716	26	54.36	95
30	57.742	0	55.31	95
Juni 9	57.742	26	56.26	94
19	57.716	51	57.20	88
29	57.665	75	58.08	81
Juli 9	57.590	95	58.89	72
19	57.495	111	59.61	61
29	57.384	125	60.22	49
Aug. 8	57.259	132	60.71	35
18	57.127	134	61.06	20
28	56.993	127	61.26	3
Sept. 7	56.866	114	61.29	15
17	56.752	92	61.14	35
27	56.660	63	60.79	56
Okt. 7	56.597	26	60.23	79
17	56.571	16	59.44	102
27	56.587	64	58.42	126
Nov. 6	56.651	113	57.16	149
16	56.764	161	55.67	169
26	56.925	207	53.98	187
Dez. 6	57.132	248	52.11	199
16	57.380	282	50.12	206
26	57.662	306	48.06	206
36	57.968		46.00	
Mittl. Ort	54.617		71.48	
sec δ, tg δ	1.001		+0.038	
a, *a'*	+3.0		−15.2	
b, *b'*	0.00		+ 0.65	

Tag	548) α Librae AR.		548) α Librae Dekl.	
1934	$14^h 47^m$		$-15° 46'$	
	s		"	
Jan. 1	13.250	335	11.55	155
11	13.585	344	13.10	163
21	13.929	345	14.73	165
31	14.274	335	16.38	161
Feb. 10	14.609	320	17.99	153
20	14.929	298	19.52	140
März 2	15.227	273	20.92	124
12	15.500	246	22.16	107
22	15.746	216	23.23	89
Apr. 1	15.962	187	24.12	71
11	16.149	157	24.83	54
21	16.306	128	25.37	39
Mai 1	16.434	99	25.76	25
10	[4] 16.533	69	26.01	12
20	16.602	40	26.13	2
30	16.642	12	26.15	8
Juni 9	16.654	17	26.07	16
19	16.637	43	25.91	24
29	16.594	70	25.67	31
Juli 9	16.524	92	25.36	37
19	16.432	111	24.99	43
29	16.321	127	24.56	48
Aug. 8	16.194	135	24.08	52
18	16.059	137	23.56	54
28	15.922	132	23.02	53
Sept. 7	15.790	117	22.49	51
17	15.673	95	21.98	45
27	15.578	64	21.53	35
Okt. 7	15.514	24	21.18	22
17	15.490	20	20.96	5
27	15.510	70	20.91	15
Nov. 6	15.580	122	21.06	38
16	15.702	173	21.44	63
26	15.875	220	22.07	87
Dez. 6	16.095	263	22.94	109
16	16.358	297	24.03	130
26	16.655	323	25.33	145
36	16.978		26.78	
Mittl. Ort	13.373		7.13	
sec δ, tg δ	1.039		− 0.282	
a, *a'*	+3.3		−14.9	
b, *b'*	+0.01		+ 0.67	

Tag	549) Grb 2164 AR.		549) Grb 2164 Dekl.	
1934	$14^h 49^m$		$+59° 33'$	
	s		"	
Jan. 1	45.157	459	18.29	255
11	45.616	493	15.74	201
21	46.109	511	13.73	140
31	46.620	511	12.33	74
Feb. 10	47.131	495	11.59	7
20	47.626	464	11.52	59
März 2	48.090	420	12.11	121
12	48.510	366	13.32	177
22	48.876	304	15.09	225
Apr. 1	49.180	237	17.34	261
11	49.417	166	19.95	288
21	49.583	95	22.83	304
Mai 1	49.678	26	25.87	307
10	[5] 49.704	42	28.94	301
20	49.662	106	31.95	284
30	49.556	163	34.79	259
Juni 9	49.393	217	37.38	227
19	49.176	262	39.65	188
29	48.914	303	41.53	144
Juli 9	48.611	334	42.97	97
19	48.277	357	43.94	48
29	47.920	372	44.42	4
Aug. 8	47.548	376	44.38	54
18	47.172	371	43.84	105
28	46.801	356	42.79	154
Sept. 7	46.445	327	41.25	200
17	46.118	289	39.25	243
27	45.829	239	36.82	282
Okt. 7	45.590	178	34.00	315
17	45.412	108	30.85	343
27	45.304	31	27.42	363
Nov. 6	45.273	52	23.79	375
16	45.325	137	20.04	378
26	45.462	220	16.26	370
Dez. 6	45.682	298	12.56	352
16	45.980	369	9.04	322
26	46.349	427	5.82	283
36	46.776		2.99	
Mittl. Ort	45.726		41.51	
sec δ, tg δ	1.974		+ 1.702	
a, *a'*	+1.5		− 14.8	
b, *b'*	−0.08		+ 0.67	

Tag	550) β Ursae min. AR.		Dekl.		551) Pi XIV, 221 AR.		Dekl.		552) β Lupi AR.		Dekl.		555) β Bootis AR.		Dekl.	
1934	$14^h 50^m$		$+74° 24'$		$14^h 53^m$		$+14° 42'$		$14^h 54^m$		$-42° 52'$		$14^h 59^m$		$+40° 38'$	
Jan. 1	50.99	75	66.22	239	6.180	315	29.18	231	11.409	418	7.75	58	27.319	348	39.90	266
11	51.74	82	63.83	180	6.495	326	26.87	209	11.827	432	8.33	90	27.667	368	37.24	223
21	52.56	86	62.03	117	6.821	331	24.78	178	12.259	433	9.23	121	28.035	379	35.01	172
31	53.42	88	60.86	48	7.152	324	23.00	143	12.692	425	10.44	146	28.414	377	33.29	116
Feb. 10	54.30	85	60.38	20	7.476	311	21.57	103	13.117	407	11.90	167	28.791	365	32.13	55
20	55.15	81	60.58	86	7.787	290	20.54	60	13.524	383	13.57	182	29.156	344	31.58	4
März 2	55.96	73	61.44	148	8.077	266	19.94	18	13.907	354	15.39	193	29.500	315	31.62	63
12	56.69	63	62.92	203	8.343	238	19.76	22	14.261	321	17.32	199	29.815	279	32.25	116
22	57.32	51	64.95	248	8.581	208	19.98	60	14.582	285	19.31	202	30.094	241	33.41	164
Apr. 1	57.83	38	67.43	283	8.789	177	20.58	92	14.867	249	21.33	201	30.335	199	35.05	203
11	58.21	24	70.26	306	8.966	146	21.50	118	15.116	210	23.34	197	30.534	156	37.08	233
21	58.45	10	73.32	318	9.112	114	22.68	137	15.326	172	25.31	190	30.690	113	39.41	253
Mai 1	58.55	4	76.50	318	9.226	84	24.05	152	15.498	132	27.21	180	30.803	69	41.94	264
10	[5] 58.51	18	79.68	307	[6] 9.310	53	25.57	158	[6] 15.630	92	29.01	168	[7] 30.872	27	44.58	265
20	58.33	31	82.75	286	9.363	24	27.15	158	15.722	52	30.69	152	30.899	13	47.23	256
30	58.02	42	85.61	257	9.387	5	28.73	154	15.774	11	32.21	135	30.886	52	49.79	241
Juni 9	57.60	52	88.18	220	9.382	32	30.27	145	15.785	29	33.56	114	30.834	88	52.20	218
19	57.08	60	90.38	176	9.350	59	31.72	130	15.756	66	34.70	90	30.746	121	54.38	188
29	56.48	68	92.14	130	9.291	83	33.02	114	15.690	103	35.60	65	30.625	151	56.26	154
Juli 9	55.80	74	93.44	79	9.208	105	34.16	93	15.587	135	36.25	37	30.474	176	57.80	117
19	55.06	77	94.23	26	9.103	123	35.09	72	15.452	162	36.62	8	30.298	197	58.97	76
29	54.29	79	94.49	27	8.980	136	35.81	47	15.290	182	36.70	22	30.101	212	59.73	33
Aug. 8	53.50	80	94.22	80	8.844	146	36.28	23	15.108	194	36.48	52	29.889	221	60.06	11
18	52.70	77	93.42	131	8.698	148	36.51	4	14.914	197	35.96	79	29.668	222	59.95	54
28	51.93	74	92.11	181	8.550	143	36.47	31	14.717	189	35.17	106	29.446	216	59.41	98
Sept. 7	51.19	69	90.30	226	8.407	130	36.16	59	14.528	169	34.11	127	29.230	200	58.43	141
17	50.50	61	88.04	268	8.277	110	35.57	87	14.359	139	32.84	145	29.030	175	57.02	181
27	49.89	52	85.36	305	8.167	82	34.70	115	14.220	97	31.39	156	28.855	142	55.21	220
Okt. 7	49.37	41	82.31	336	8.085	45	33.55	143	14.123	46	29.83	160	28.713	100	53.01	254
17	48.96	29	78.95	361	8.040	3	32.12	170	14.077	13	28.23	157	28.613	50	50.47	284
27	48.67	15	75.34	376	8.037	44	30.42	194	14.090	78	26.66	146	28.563	5	47.63	310
Nov. 6	48.52	0	71.58	385	8.081	94	28.48	217	14.168	144	25.20	127	28.568	64	44.53	329
16	48.52	15	67.73	382	8.175	144	26.31	234	14.312	210	23.93	103	28.632	124	41.24	339
26	48.67	30	63.91	370	8.319	192	23.97	246	14.522	271	22.90	73	28.756	183	37.85	340
Dez. 6	48.97	44	60.21	347	8.511	235	21.51	251	14.793	325	22.17	39	28.939	239	34.45	333
16	49.41	57	56.74	312	8.746	271	19.00	250	15.118	369	21.78	3	29.178	286	31.12	315
26	49.98	68	53.62	269	9.017	300	16.50	240	15.487	402	21.75	33	29.464	325	27.97	287
36	50.66		50.93		9.317		14.10		15.889		22.08		29.789		25.10	
Mittl. Ort	52.64		90.78		6.258		42.65		11.890		10.42		27.593		59.64	
sec δ, tg δ	3.724		+3.588		1.034		+0.263		1.364		−0.928		1.318		+0.859	
a, *a′*	−0.2		−14.7		+2.8		−14.6		+3.9		−14.5		+2.3		−14.2	
b, *b′*	−0.18		+ 0.68		−0.01		+ 0.69		+0.04		+ 0.69		−0.04		+ 0.71	

Scheinbare Sternörter 1934

Tag	556) γ Scorpii				557) ψ Bootis				558) ζ Lupi				560) γ Triang. austr.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1934	15h 0m		—25° 1′		15h 1m		+27° 11′		15h 7m		—51° 50′		15h 12m		—68° 26′	
	s		″		s		″		s		″		s		″	
Jan. 1	11.847	348	28.18	116	36.864	319	57.57	255	31.012	473	54.05	9	41.35	73	9.20	57
11	12.195	361	29.34	133	37.183	336	55.02	221	31.485	492	54.14	49	42.08	76	8.63	8
21	12.556	363	30.67	144	37.519	342	52.81	180	31.977	500	54.63	86	42.84	78	8.55	41
31	12.919	356	32.11	152	37.861	340	51.01	133	32.477	494	55.49	120	43.62	78	8.96	87
Feb. 10	13.275	342	33.63	153	38.201	328	49.68	83	32.971	478	56.69	149	44.40	76	9.83	131
20	13.617	322	35.16	151	38.529	309	48.85	31	33.449	454	58.18	174	45.16	73	11.14	170
März 2	13.939	298	36.67	144	38.838	283	48.54	21	33.903	424	59.92	195	45.89	68	12.84	204
12	14.237	270	38.11	136	39.121	255	48.75	69	34.327	387	61.87	209	46.57	63	14.88	233
22	14.507	242	39.47	125	39.376	222	49.44	112	34.714	348	63.96	221	47.20	56	17.21	256
Apr. 1	14.749	212	40.72	114	39.598	187	50.56	149	35.062	307	66.17	227	47.76	49	19.77	273
11	14.961	182	41.86	101	39.785	153	52.05	179	35.369	262	68.44	229	48.25	42	22.50	286
21	15.143	151	42.87	89	39.938	118	53.84	200	35.631	216	70.73	228	48.67	34	25.36	291
Mai 1	15.294	119	43.76	76	40.056	83	55.84	213	35.847	168	73.01	222	49.01	25	28.27	292
10*)	7 15.413	88	44.52	65	3 40.139	49	57.97	217	9 36.015	120	75.23	213	11 49.26	16	31.19	286
20	15.501	57	45.17	53	40.188	15	60.14	215	36.135	69	77.36	199	49.42	8	34.05	274
30	15.558	25	45.70	40	40.203	18	62.29	204	36.204	19	79.35	182	49.50	2	36.79	256
Juni 9	15.583	8	46.10	29	40.185	48	64.33	189	36.223	31	81.17	160	49.48	10	39.35	232
19	15.575	39	46.39	16	40.137	77	66.22	167	36.192	79	82.77	135	49.38	18	41.67	203
29	15.536	67	46.55	3	40.060	105	67.89	141	36.113	124	84.12	105	49.20	26	43.70	168
Juli 9	15.469	95	46.58	11	39.955	127	69.30	113	35.989	165	85.17	74	48.94	34	45.38	128
19	15.374	117	46.47	24	39.828	148	70.43	80	35.824	200	85.91	39	48.60	39	46.66	85
29	15.257	135	46.23	38	39.680	163	71.23	47	35.624	227	86.30	3	48.21	43	47.51	38
Aug. 8	15.122	147	45.85	50	39.517	172	71.70	11	35.397	243	86.33	33	47.78	45	47.89	11
18	14.975	152	45.35	61	39.345	176	71.81	25	35.154	249	86.00	70	47.33	47	47.78	60
28	14.823	147	44.74	71	39.169	170	71.56	60	34.905	241	85.30	104	46.86	45	47.18	106
Sept. 7	14.676	134	44.03	77	38.999	159	70.96	97	34.664	221	84.26	135	46.41	41	46.12	151
17	14.542	111	43.26	79	38.840	137	69.99	133	34.443	187	82.91	162	46.00	36	44.61	189
27	14.431	78	42.47	78	38.703	109	68.66	167	34.256	139	81.29	181	45.64	28	42.72	222
Okt. 7	14.353	38	41.69	71	38.594	71	66.99	198	34.117	81	79.48	193	45.36	18	40.50	245
17	14.315	9	40.98	60	38.523	27	65.01	229	34.036	13	77.55	198	45.18	7	38.05	260
27	14.324	61	40.38	43	38.496	22	62.72	254	34.023	62	75.57	193	45.11	5	35.45	264
Nov. 6	14.385	117	39.95	23	38.518	75	60.18	275	34.085	141	73.64	180	45.16	18	32.81	257
16	14.502	172	39.72	0	38.593	128	57.43	290	34.226	218	71.84	159	45.34	30	30.24	240
26	14.674	222	39.72	26	38.721	179	54.53	298	34.444	289	70.25	130	45.64	42	27.84	213
Dez. 6	14.896	268	39.98	53	38.900	227	51.55	298	34.733	356	68.95	96	46.06	52	25.71	178
16	15.164	306	40.51	78	39.127	269	48.57	287	35.089	410	67.99	59	46.58	62	23.93	136
26	15.470	334	41.29	101	39.396	301	45.70	269	35.499	451	67.40	18	47.20	69	22.57	89
36	15.804		42.30		39.697		43.01		35.950		67.22		47.89		21.68	
Mittl. Ort	12.098		26.07		37.036		74.24		31.794		58.04		43.20		15.59	
sec δ, tg δ	1.104		—0.467		1.124		+0.514		1.619		—1.273		2.721		—2.531	
a, *a′*	+3.5		—14.2		+2.6		—14.1		+4.3		—13.7		+5.6		—13.4	
b, *b′*	+0.02		+ 0.71		—0.02		+ 0.71		+0.06		+ 0.73		+0.11		+ 0.75	

*) Bei Stern 560) lies Mai 11

Tag	563) δ Bootis AR.	Diff.	Dekl.	Diff.	564) β Librae AR.	Diff.	Dekl.	Diff.	565) 1 H. Ursae min. AR.	Diff.	Dekl.	Diff.	566) φ¹ Lupi AR.	Diff.	Dekl.	Diff.
1934	$15^h 12^m$		+33° 33′		$15^h 13^m$		−9° 8′		$15^h 13^m$		+67° 35′		$15^h 17^m$		−36° 1′	
Jan. 1	50.222	321	18.25	267	26.936	314	33.12	163	51.02	53	26.23	271	36.173	376	24.09	59
11	50.543	343	15.58	230	27.250	329	34.75	165	51.55	59	23.52	218	36.549	391	24.68	86
21	50.886	353	13.28	186	27.579	333	36.40	160	52.14	62	21.34	157	36.940	398	25.54	108
31	51.239	353	11.42	134	27.912	329	38.00	149	52.76	64	19.77	91	37.338	395	26.62	127
Feb. 10	51.592	345	10.08	79	28.241	318	39.49	134	53.40	64	18.86	23	37.733	383	27.89	141
20	51.937	327	9.29	22	28.559	302	40.83	115	54.04	61	18.63	46	38.116	365	29.30	151
März 2	52.264	303	9.07	33	28.861	281	41.98	93	54.65	56	19.09	110	38.481	341	30.81	156
12	52.567	273	9.40	86	29.142	257	42.91	71	55.21	50	20.19	170	38.822	315	32.37	158
22	52.840	240	10.26	132	29.399	231	43.62	48	55.71	43	21.89	220	39.137	285	33.95	158
Apr. 1	53.080	204	11.58	173	29.630	204	44.10	26	56.14	34	24.09	262	39.422	254	35.53	155
11	53.284	168	13.31	204	29.834	177	44.36	8	56.48	25	26.71	292	39.676	221	37.08	150
21	53.452	129	15.35	227	30.011	148	44.44	8	56.73	15	29.63	312	39.897	188	38.58	143
Mai 1	53.581	90	17.62	241	30.159	119	44.36	22	56.88	6	32.75	318	40.085	153	40.01	135
11	53.671	53	20.03	246	30.278	91	44.14	33	56.94	4	35.93	316	40.238	116	41.36	125
20	[11] 53.724	17	22.49	242	[11] 30.369	62	43.81	41	[11] 56.90	13	39.09	302	[12] 40.354	79	42.61	114
30	53.741	20	24.91	230	30.431	31	43.40	46	56.77	21	42.11	279	40.433	41	43.75	101
Juni 9	53.721	55	27.21	213	30.462	2	42.94	50	56.56	30	44.90	247	40.474	4	44.76	86
19	53.666	86	29.34	188	30.464	27	42.44	52	56.26	36	47.37	211	40.478	34	45.62	69
29	53.580	117	31.22	159	30.437	55	41.92	52	55.90	42	49.48	166	40.444	69	46.31	51
Juli 9	53.463	142	32.81	126	30.382	80	41.40	51	55.48	47	51.14	120	40.375	103	46.82	30
19	53.321	165	34.07	91	30.302	104	40.89	51	55.01	51	52.34	69	40.272	131	47.12	9
29	53.156	183	34.98	52	30.198	121	40.38	48	54.50	53	53.03	17	40.141	155	47.21	14
Aug. 8	52.973	193	35.50	13	30.077	135	39.90	44	53.97	54	53.20	36	39.986	171	47.07	37
18	52.780	199	35.63	28	29.942	141	39.46	40	53.43	55	52.84	87	39.815	179	46.70	58
28	52.581	195	35.35	68	29.801	140	39.06	34	52.88	53	51.97	139	39.636	177	46.12	79
Sept. 7	52.386	183	34.67	108	29.661	130	38.72	26	52.35	50	50.58	187	39.459	164	45.33	97
17	52.203	163	33.59	148	29.531	111	38.46	15	51.85	45	48.71	232	39.295	141	44.36	110
27	52.040	133	32.11	184	29.420	85	38.31	3	51.40	40	46.39	274	39.154	107	43.26	118
Okt. 7	51.907	96	30.27	219	29.335	49	38.28	13	51.00	32	43.65	310	39.047	63	42.08	122
17	51.811	50	28.08	251	29.286	7	38.41	31	50.68	23	40.55	340	38.984	12	40.86	120
27	51.761	0	25.57	278	29.279	41	38.72	51	50.45	14	37.15	364	38.972	47	39.66	109
Nov. 6	51.761	55	22.79	299	29.320	90	39.23	72	50.31	4	33.51	378	39.019	107	38.57	94
16	51.816	112	19.80	313	29.410	142	39.95	94	50.27	8	29.73	384	39.126	168	37.63	74
26	51.928	167	16.67	321	29.552	189	40.89	114	50.35	19	25.89	378	39.294	227	36.89	48
Dez. 6	52.095	218	13.46	318	29.741	233	42.03	133	50.54	29	22.11	364	39.521	278	36.41	20
16	52.313	264	10.28	306	29.974	271	43.36	147	50.83	39	18.47	336	39.799	323	36.21	10
26	52.577	300	7.22	283	30.245	299	44.83	158	51.22	49	15.11	298	40.122	357	36.31	40
36	52.877		4.39		30.544		46.41		51.71		12.13		40.479		36.71	
Mittl. Ort	50.519		36.15		27.141		26.32		52.41		49.34		36.630		24.20	
sec δ, tg δ	1.200		+0.663		1.013		−0.161		2.624		+2.426		1.236		−0.727	
a, *a′*	+2.4		−13.4		+3.2		−13.3		+0.6		−13.3		+3.8		−13.0	
b, *b′*	−0.03		+ 0.75		+0.01		+ 0.75		−0.11		+ 0.75		+0.03		+ 0.76	

Tag	569) γ Ursae min. AR.		Dekl.		568) μ Bootis AR.		Dekl.	
1934	15h 20m		+72° 3′		15h 21m		+37° 35′	
Jan. 1	47.08	61	44.70	271	59.387	322	69.19	276
11	47.69	68	41.99	218	59.709	347	66.43	237
21	48.37	74	39.81	158	60.056	361	64.06	190
31	49.11	77	38.23	91	60.417	363	62.16	136
Feb. 10	49.88	76	37.32	23	60.780	357	60.80	79
20	50.64	74	37.09	45	61.137	341	60.01	20
März 2	51.38	69	37.54	111	61.478	318	59.81	39
12	52.07	61	38.65	170	61.796	289	60.20	93
22	52.68	52	40.35	222	62.085	255	61.13	143
Apr. 1	53.20	42	42.57	263	62.340	218	62.56	185
11	53.62	31	45.20	295	62.558	178	64.41	219
21	53.93	18	48.15	314	62.736	139	66.60	243
Mai 1	54.11	6	51.29	323	62.875	98	69.03	258
11	54.17	5	54.52	319	62.973	58	71.61	263
20	[13] 54.12	17	57.71	306	[13] 63.031	17	74.24	260
30	53.95	28	60.77	284	63.048	21	76.84	248
Juni 9	53.67	38	63.61	253	63.027	59	79.32	229
19	53.29	47	66.14	215	62.968	93	81.61	203
29	52.82	54	68.29	172	62.875	126	83.64	174
Juli 9	52.28	61	70.01	125	62.749	155	85.38	138
19	51.67	65	71.26	74	62.594	180	86.76	100
29	51.02	68	72.00	22	62.414	199	87.76	59
Aug. 8	50.34	71	72.22	31	62.215	212	88.35	18
18	49.63	70	71.91	83	62.003	218	88.53	25
28	48.93	69	71.08	135	61.785	215	88.28	69
Sept. 7	48.24	65	69.73	183	61.570	205	87.59	111
17	47.59	59	67.90	229	61.365	185	86.48	151
27	47.00	53	65.61	270	61.180	155	84.97	191
Okt. 7	46.47	44	62.91	307	61.025	117	83.06	228
17	46.03	34	59.84	338	60.908	71	80.78	261
27	45.69	22	56.46	361	60.837	19	78.17	288
Nov. 6	45.47	9	52.85	375	60.818	38	75.29	311
16	45.38	4	49.10	382	60.856	96	72.18	326
26	45.42	18	45.28	377	60.952	155	68.92	332
Dez. 6	45.60	31	41.51	362	61.107	209	65.60	330
16	45.91	44	37.89	336	61.316	258	62.30	316
26	46.35	54	34.53	297	61.574	299	59.14	294
36	46.89		31.56		61.873		56.20	
Mittl. Ort	49.11		67.79		59.799		87.67	
sec δ, tg δ	3.248		+3.090		1.262		+0.770	
a, *a′*	−0.1		−12.8		+2.3		−12.8	
b, *b′*	−0.13		+ 0.77		−0.03		+ 0.77	

Tag	571) ι Draconis AR.		Dekl.		572) β Coron. bor. AR.		Dekl.	
1934	15h 23m		+59° 11′		15h 25m		+29° 19′	
Jan. 1	26.542	414	26.34	285	6.125	306	39.06	266
11	26.956	460	23.49	235	6.431	328	36.40	233
21	27.416	488	21.14	177	6.759	339	34.07	192
31	27.904	500	19.37	114	7.098	342	32.15	145
Feb. 10	28.404	497	18.23	46	7.440	335	30.70	92
20	28.901	478	17.77	20	7.775	321	29.78	39
März 2	29.379	446	17.97	86	8.096	299	29.39	15
12	29.825	402	18.83	146	8.395	273	29.54	67
22	30.227	349	20.29	200	8.668	243	30.21	113
Apr. 1	30.576	288	22.29	243	8.911	212	31.34	153
11	30.864	223	24.72	278	9.123	177	32.87	186
21	31.087	155	27.50	300	9.300	141	34.73	211
Mai 1	31.242	85	30.50	312	9.441	106	36.84	227
11	31.327	18	33.62	313	9.547	70	39.11	234
20	[13] 31.345	49	36.75	304	[14] 9.617	35	41.45	233
30	31.296	112	39.79	285	9.652	0	43.78	224
Juni 9	31.184	171	42.64	258	9.652	34	46.02	210
19	31.013	225	45.22	225	9.618	67	48.12	189
29	30.788	272	47.47	184	9.551	98	50.01	163
Juli 9	30.516	314	49.31	141	9.453	125	51.64	133
19	30.202	346	50.72	92	9.328	149	52.97	101
29	29.856	371	51.64	43	9.179	169	53.98	65
Aug. 8	29.485	385	52.07	8	9.010	181	54.63	29
18	29.100	390	51.99	59	8.829	190	54.92	9
28	28.710	383	51.40	110	8.639	188	54.83	47
Sept. 7	28.327	364	50.30	158	8.451	179	54.36	86
17	27.963	333	48.72	205	8.272	161	53.50	124
27	27.630	290	46.67	249	8.111	134	52.26	159
Okt. 7	27.340	236	44.18	286	7.977	99	50.67	194
17	27.104	170	41.32	320	7.878	57	48.73	227
27	26.934	97	38.12	346	7.821	7	46.46	254
Nov. 6	26.837	16	34.66	366	7.814	45	43.92	277
16	26.821	69	31.00	375	7.859	99	41.15	294
26	26.890	154	27.25	375	7.958	154	38.21	304
Dez. 6	27.044	236	23.50	364	8.112	204	35.17	305
16	27.280	312	19.86	342	8.316	248	32.12	297
26	27.592	377	16.44	308	8.564	285	29.15	279
36	27.969		13.36		8.849		26.36	
Mittl. Ort	27.537		48.17		6.465		55.72	
sec δ, tg δ	1.953		+1.677		1.147		+0.562	
a, *a′*	+1.3		−12.7		+2.5		−12.5	
b, *b′*	−0.07		+ 0.78		−0.02		+ 0.78	

Tag	573) ν¹ Bootis AR.		Dekl.		575) γ Lupi AR.		Dekl.		577) γ Librae AR.		Dekl.		578) α Coron. bor. AR.		Dekl.	
1934	15ʰ 28ᵐ		+41° 2′		15ʰ 30ᵐ		−40° 56′		15ʰ 31ᵐ		−14° 34′		15ʰ 31ᵐ		+26° 55′	
Jan. 1	32.978	324	66.74	283	43.414	388	46.66	26	49.536	313	20.17	134	53.215	299	52.56	264
11	33.302	353	63.91	243	43.802	411	46.92	56	49.849	330	21.51	141	53.514	322	49.92	233
21	33.655	370	61.48	194	44.213	420	47.48	82	50.179	337	22.92	141	53.836	333	47.59	195
31	34.025	374	59.54	139	44.633	419	48.30	106	50.516	336	24.33	137	54.169	337	45.64	150
Feb. 10	34.399	371	58.15	80	45.052	409	49.36	125	50.852	329	25.70	128	54.506	332	44.14	100
20	34.770	355	57.35	18	45.461	394	50.61	140	51.181	315	26.98	115	54.838	318	43.14	47
März 2	35.125	333	57.17	42	45.855	372	52.01	152	51.496	296	28.13	100	55.156	298	42.67	5
12	35.458	304	57.59	99	46.227	345	53.53	159	51.792	275	29.13	82	55.454	275	42.72	55
22	35.762	269	58.58	150	46.572	317	55.12	164	52.067	251	29.95	64	55.729	246	43.27	101
Apr. 1	36.031	231	60.08	194	46.889	284	56.76	166	52.318	226	30.59	46	55.975	216	44.28	142
11	36.262	190	62.02	229	47.173	251	58.42	164	52.544	199	31.05	31	56.191	183	45.70	175
21	36.452	147	64.31	254	47.424	215	60.06	162	52.743	171	31.36	16	56.374	150	47.45	201
Mai 1	36.599	104	66.85	270	47.639	177	61.68	157	52.914	143	31.52	4	56.524	115	49.46	217
11	36.703	61	69.55	276	47.816	139	63.25	149	53.057	113	31.56	5	56.639	80	51.63	225
20	[15] 36.764	19	72.31	272	[15] 47.955	98	64.74	140	[15] 53.170	82	31.51	14	[15] 56.719	45	53.88	226
30	36.783	24	75.03	260	48.053	57	66.14	128	53.252	51	31.37	20	56.764	11	56.14	220
Juni 9	36.759	63	77.63	241	48.110	15	67.42	113	53.303	20	31.17	25	56.775	23	58.34	206
19	36.696	101	80.04	215	48.125	28	68.55	95	53.323	13	30.92	29	56.752	56	60.40	187
29	36.595	136	82.19	182	48.097	68	69.50	76	53.310	43	30.63	33	56.696	87	62.27	163
Juli 9	36.459	167	84.01	147	48.029	105	70.26	54	53.267	73	30.30	35	56.609	115	63.90	135
19	36.292	194	85.48	107	47.924	138	70.80	29	53.194	98	29.95	38	56.494	141	65.25	104
29	36.098	214	86.55	64	47.786	167	71.09	4	53.096	121	29.57	40	56.353	160	66.29	71
Aug. 8	35.884	229	87.19	21	47.619	186	71.13	23	52.975	136	29.17	41	56.193	175	67.00	36
18	35.655	236	87.40	24	47.433	196	70.90	50	52.839	146	28.76	42	56.018	183	67.36	1
28	35.419	235	87.16	69	47.237	198	70.40	75	52.693	148	28.34	42	55.835	184	67.35	38
Sept. 7	35.184	224	86.47	114	47.039	186	69.65	97	52.545	141	27.92	38	55.651	175	66.97	74
17	34.960	204	85.33	156	46.853	163	68.68	117	52.404	124	27.54	34	55.476	160	66.23	111
27	34.756	174	83.77	197	46.690	129	67.51	131	52.280	98	27.20	26	55.316	134	65.12	147
Okt. 7	34.582	135	81.80	234	46.561	84	66.20	140	52.182	64	26.94	16	55.182	100	63.65	181
17	34.447	89	79.46	269	46.477	30	64.80	142	52.118	23	26.78	2	55.082	58	61.84	212
27	34.358	35	76.77	298	46.447	32	63.38	137	52.095	25	26.76	15	55.024	11	59.72	241
Nov. 6	34.323	24	73.79	320	46.479	95	62.01	125	52.120	77	26.91	34	55.013	41	57.31	265
16	34.347	85	70.59	336	46.574	161	60.76	108	52.197	128	27.25	54	55.054	95	54.66	283
26	34.432	146	67.23	342	46.735	223	59.68	84	52.325	179	27.79	75	55.149	147	51.83	294
Dez. 6	34.578	203	63.81	339	46.958	281	58.84	56	52.504	224	28.54	94	55.296	197	48.89	297
16	34.781	256	60.42	325	47.239	329	58.28	27	52.728	264	29.48	112	55.493	242	45.92	292
26	35.037	299	57.17	301	47.568	368	58.01	5	52.992	295	30.60	126	55.735	278	43.00	276
36	35.336		54.16		47.936		58.06		53.287		31.86		56.013		40.24	
Mittl. Ort	33.492		85.64		44.008		47.35		49.840		14.52		53.575		68.52	
sec δ, tg δ	1.326		+0.871		1.324		−0.868		1.033		−0.260		1.122		+0.508	
a, *a′*	+2.2		−12.3		+4.0		−12.2		+3.4		−12.1		+2.5		−12.1	
b, *b′*	−0.04		+ 0.79		+0.04		+ 0.80		+0.01		+ 0.80		−0.02		+ 0.80	

Scheinbare Sternörter 1934

Tag	582) α Serpentis AR.	Δ	582) α Serpentis Dekl.	Δ	583) β Serpentis AR.	Δ	583) β Serpentis Dekl.	Δ	584) κ Serpentis AR.	Δ	584) κ Serpentis Dekl.	Δ	585) μ Serpentis AR.	Δ	585) μ Serpentis Dekl.	Δ
1934	$15^h 41^m$		+6° 37'		$15^h 43^m$		+15° 37'		$15^h 45^m$		+18° 20'		$15^h 46^m$		−3° 13'	
	s		"		s		"		s		"		s		"	
Jan. 1	0.616	288	44.31	210	8.097	285	24.49	237	45.717	284	25.19	246	10.075	290	55.17	173
11	0.904	307	42.21	197	8.382	307	22.12	218	46.001	306	22.73	223	10.365	310	56.90	169
21	1.211	318	40.24	177	8.689	318	19.94	189	46.307	319	20.50	193	10.675	319	58.59	158
31	1.529	319	38.47	149	9.007	322	18.05	154	46.626	323	18.57	156	10.994	322	60.17	142
Feb. 10	1.848	314	36.98	118	9.329	318	16.51	115	46.949	319	17.01	113	11.316	317	61.59	121
20	2.162	303	35.80	84	9.647	306	15.36	71	47.268	309	15.88	68	11.633	306	62.80	96
März 2	2.465	287	34.96	47	9.953	291	14.65	26	47.577	293	15.20	21	11.939	291	63.76	69
12	2.752	265	34.49	11	10.244	269	14.39	17	47.870	273	14.99	24	12.230	271	64.45	41
22	3.017	243	34.38	24	10.513	245	14.56	58	48.143	248	15.23	67	12.501	250	64.86	14
Apr. 1	3.260	218	34.62	55	10.758	220	15.14	94	48.391	222	15.90	105	12.751	226	65.00	12
11	3.478	191	35.17	82	10.978	191	16.08	125	48.613	193	16.95	137	12.977	200	64.88	33
21	3.669	164	35.99	104	11.169	162	17.33	148	48.806	164	18.32	162	13.177	174	64.55	51
Mai 1	3.833	135	37.03	120	11.331	132	18.81	167	48.970	133	19.94	180	13.351	147	64.04	67
11	3.968	106	38.23	130	11.463	100	20.48	177	49.103	101	21.74	191	13.498	117	63.37	76
20	[18]4.074	75	39.53	135	[18]11.563	69	22.25	181	[19]49.204	68	23.65	195	[19]13.615	88	62.61	83
30	4.149	43	40.88	136	11.632	37	24.06	179	49.272	35	25.60	191	13.703	56	61.78	86
Juni 9	4.192	13	42.24	132	11.669	4	25.85	171	49.307	2	27.51	183	13.759	25	60.92	86
19	4.205	18	43.56	124	11.673	28	27.56	159	49.309	30	29.34	169	13.784	7	60.06	83
29	4.187	48	44.80	112	11.645	58	29.15	142	49.279	61	31.03	152	13.777	38	59.23	78
Juli 9	4.139	76	45.92	99	11.587	87	30.57	121	49.218	90	32.55	129	13.739	67	58.45	72
19	4.063	102	46.91	84	11.500	113	31.78	100	49.128	117	33.84	104	13.672	93	57.73	64
29	3.961	124	47.75	66	11.387	135	32.78	74	49.011	139	34.88	78	13.579	117	57.09	55
Aug. 8	3.837	141	48.41	47	11.252	151	33.52	48	48.872	157	35.66	49	13.462	134	56.54	46
18	3.696	148	48.88	28	11.101	162	34.00	20	48.715	166	36.15	19	13.328	146	56.08	35
28	3.548	153	49.16	6	10.939	164	34.20	8	48.549	170	36.34	12	13.182	150	55.73	23
Sept. 7	3.395	148	49.22	15	10.775	159	34.12	38	48.379	165	36.22	43	13.032	145	55.50	10
17	3.247	134	49.07	39	10.616	145	33.74	68	48.214	151	35.79	75	12.887	131	55.40	5
27	3.113	111	48.68	62	10.471	122	33.06	97	48.063	129	35.04	106	12.756	110	55.45	22
Okt. 7	3.002	79	48.06	86	10.349	92	32.09	127	47.934	97	33.98	137	12.646	77	55.67	39
17	2.923	41	47.20	112	10.257	52	30.82	155	47.837	59	32.61	167	12.569	40	56.06	58
27	2.882	4	46.08	135	10.205	8	29.27	182	47.778	13	30.94	194	12.529	6	56.64	79
Nov. 6	2.886	53	44.73	158	10.197	42	27.45	207	47.765	35	29.00	220	12.535	54	57.43	99
16	2.939	101	43.15	178	10.239	92	25.38	226	47.800	87	26.80	240	12.589	104	58.42	120
26	3.040	150	41.37	196	10.331	142	23.12	242	47.887	137	24.40	254	12.693	154	59.62	138
Dez. 6	3.190	196	39.41	207	10.473	189	20.70	249	48.024	186	21.86	262	12.847	199	61.00	153
16	3.386	237	37.34	212	10.662	231	18.21	252	48.210	227	19.24	261	13.046	239	62.53	164
26	3.623	269	35.22	212	10.893	266	15.69	244	48.437	264	16.63	253	13.285	272	64.17	170
36	3.892		33.10		11.159		13.25		48.701		14.10		13.557		65.87	
Mittl. Ort	0.923		55.37		8.444		37.67		46.091		38.93		10.400		46.52	
sec δ, tg δ	1.007		+0.116		1.038		+0.280		1.054		+0.332		1.002		−0.056	
a, *a'*	+2.9		−11.4		+2.8		−11.3		+2.7		−11.1		+3.1		−11.0	
b, *b'*	0.00		+0.82		−0.01		+0.83		−0.01		+0.83		0.00		+0.83	

Tag	590) ζ Ursae min. AR.		590) ζ Ursae min. Dekl.		588) ε Serpentis AR.		588) ε Serpentis Dekl.		589) β Triang. austr. AR.		589) β Triang. austr. Dekl.		593) ε Coron. bor. AR.		593) ε Coron. bor. Dekl.	
1934	$15^h 46^m$		$+77° 59'$		$15^h 47^m$		$+4° 40'$		$15^h 49^m$		$-63° 13'$		$15^h 54^m$		$+27° 3'$	
Jan. 1	18.30 s	75	32.40 "	286	31.119 s	285	19.89 "	202	17.00 s	57	40.93 "	86	50.743 s	281	48.91 "	270
11	19.05	89	29.54	236	31.404	304	17.87	191	17.57	62	40.07	43	51.024	308	46.21	241
21	19.94	99	27.18	178	31.708	316	15.96	173	18.19	64	39.64	0	51.332	324	43.80	206
31	20.93	106	25.40	115	32.024	318	14.23	148	18.83	66	39.64	41	51.656	332	41.74	161
Feb. 10	21.99	108	24.25	47	32.342	315	12.75	119	19.49	65	40.05	82	51.988	331	40.13	111
20	23.07	108	23.78	20	32.657	304	11.56	86	20.14	63	40.87	118	52.319	322	39.02	60
März 2	24.15	102	23.98	87	32.961	288	10.70	52	20.77	61	42.05	150	52.641	307	38.42	6
12	25.17	94	24.85	148	33.249	270	10.18	16	21.38	57	43.55	178	52.948	287	38.36	45
22	26.11	81	26.33	202	33.519	247	10.02	17	21.95	53	45.33	204	53.235	262	38.81	94
Apr. 1	26.92	68	28.35	249	33.766	223	10.19	47	22.48	48	47.37	222	53.497	234	39.75	137
11	27.60	51	30.84	284	33.989	198	10.66	73	22.96	42	49.59	238	53.731	205	41.12	173
21	28.11	34	33.68	308	34.187	171	11.39	95	23.38	36	51.97	249	53.936	172	42.85	200
Mai 1	28.45	16	36.76	322	34.358	142	12.34	110	23.74	30	54.46	254	54.108	138	44.85	221
11	(19) 28.61	3	39.98	323	(19) 34.500	113	13.44	122	(20) 24.04	23	57.00	255	54.246	103	47.06	232
20*)	28.58	21	43.21	315	34.613	83	14.66	127	24.27	16	59.55	250	(21) 54.349	68	49.38	235
30	28.37	38	46.36	297	34.696	51	15.93	129	24.43	8	62.05	240	54.417	32	51.73	230
Juni 9	27.99	53	49.33	271	34.747	20	17.22	125	24.51	1	64.45	224	54.449	4	54.03	220
19	27.46	68	52.04	236	34.767	12	18.47	118	24.52	7	66.69	203	54.445	40	56.23	202
29	26.78	81	54.40	196	34.755	42	19.65	108	24.45	14	68.72	176	54.405	73	58.25	180
Juli 9	25.97	91	56.36	151	34.713	71	20.73	96	24.31	21	70.48	145	54.332	105	60.05	153
19	25.06	99	57.87	103	34.642	98	21.69	82	24.10	27	71.93	108	54.227	133	61.58	123
29	24.07	106	58.90	52	34.544	121	22.51	66	23.83	31	73.01	68	54.094	158	62.81	89
Aug. 8	23.01	110	59.42	0	34.423	137	23.17	49	23.52	35	73.69	25	53.936	175	63.70	55
18	21.91	111	59.42	52	34.286	150	23.66	31	23.17	37	73.94	19	53.761	188	64.25	18
28	20.80	110	58.90	103	34.136	153	23.97	12	22.80	38	73.75	64	53.573	192	64.43	19
Sept. 7	19.70	106	57.87	153	33.983	149	24.09	9	22.42	36	73.11	106	53.381	189	64.24	57
17	18.64	100	56.34	200	33.834	136	24.00	30	22.06	32	72.05	146	53.192	174	63.67	94
27	17.64	91	54.34	244	33.698	113	23.70	53	21.74	28	70.59	181	53.018	153	62.73	132
Okt. 7	16.73	79	51.90	282	33.585	83	23.17	75	21.46	20	68.78	208	52.865	121	61.41	167
17	15.94	65	49.08	317	33.502	45	22.42	99	21.26	12	66.70	228	52.744	82	59.74	199
27	15.29	49	45.91	343	33.457	1	21.43	123	21.14	2	64.42	238	52.662	37	57.75	230
Nov. 6	14.80	31	42.48	362	33.456	47	20.20	145	21.12	8	62.04	239	52.625	15	55.45	257
16	14.49	12	38.86	373	33.503	96	18.75	165	21.20	18	59.65	230	52.640	68	52.88	276
26	14.37	7	35.13	373	33.599	147	17.10	182	21.38	29	57.35	212	52.708	122	50.12	291
Dez. 6	14.44	28	31.40	363	33.746	192	15.28	196	21.67	38	55.23	185	52.830	172	47.21	296
16	14.72	47	27.77	341	33.938	232	13.32	202	22.05	47	53.38	152	53.002	220	44.25	293
26	15.19	65	24.36	309	34.170	265	11.30	202	22.52	53	51.86	114	53.222	258	41.32	280
36	15.84		21.27		34.435		9.28		23.05		50.72		53.480		38.52	
Mittl. Ort	22.42		54.26		31.451		30.44		18.56		44.52		51.237		64.24	
sec δ, tg δ	4.809		+4.704		1.003		+0.082		2.220		−1.982		1.123		+0.510	
a, a'	−2.2		−11.0		+3.0		−11.0		+5.3		−10.8		+2.5		−10.4	
b, b'	−0.17		+ 0.83		0.00		+ 0.84		+0.07		+ 0.84		−0.02		+ 0.85	

*) Bei Stern 593) lies Mai 21

Scheinbare Sternörter 1934

Tag	594) δ Scorpii				598) ϑ Draconis				597) β Scorpii				603) δ Ophiuchi			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1934	15h 56m		−22° 26′		16h 0m		+58° 43′		16h 1m		−19° 37′		16h 10m		−3° 31′	
Jan. 1	25.162 s	312	12.01 ″	86	37.582 s	358	68.02 ″	310	35.279 s	303	39.81 ″	96	52.665 s	274	41.60 ″	164
11	25.474	334	12.87	98	37.940	411	64.92	268	35.582	325	40.77	105	52.939	297	43.24	160
21	25.808	345	13.85	107	38.351	453	62.24	214	35.907	338	41.82	111	53.236	311	44.84	150
31	26.153	350	14.92	110	38.804	477	60.10	154	36.245	342	42.93	111	53.547	318	46.34	135
Feb. 10	26.503	345	16.02	111	39.281	486	58.56	89	36.587	339	44.04	109	53.865	317	47.69	115
20	26.848	336	17.13	106	39.767	482	57.67	21	36.926	331	45.13	101	54.182	310	48.84	90
März 2	27.184	321	18.19	100	40.249	462	57.46	46	37.257	316	46.14	92	54.492	298	49.74	64
12	27.505	302	19.19	90	40.711	430	57.92	110	37.573	300	47.06	80	54.790	284	50.38	36
22	27.807	281	20.09	80	41.141	388	59.02	168	37.873	279	47.86	67	55.074	264	50.74	9
Apr. 1	28.088	257	20.89	70	41.529	337	60.70	219	38.152	256	48.53	54	55.338	244	50.83	16
11	28.345	232	21.59	59	41.866	278	62.89	261	38.408	232	49.07	43	55.582	221	50.67	39
21	28.577	205	22.18	49	42.144	216	65.50	292	38.640	206	49.50	32	55.803	196	50.28	57
Mai 1	28.782	176	22.67	41	42.360	150	68.42	312	38.846	177	49.82	22	55.999	169	49.71	71
11	28.958	145	23.08	33	42.510	82	71.54	321	39.023	148	50.04	15	56.168	141	49.00	82
21	(22) 29.103	113	23.41	27	(23) 42.592	14	74.75	320	(23) 39.171	115	50.19	9	(25) 56.309	111	48.18	89
30	29.216	79	23.68	21	42.606	52	77.95	310	39.286	82	50.28	3	56.420	79	47.29	91
Juni 9	29.295	43	23.89	15	42.554	116	81.05	289	39.368	47	50.31	2	56.499	46	46.38	91
19	29.338	8	24.04	8	42.438	177	83.94	262	39.415	11	50.29	6	56.545	12	45.47	87
29	29.346	28	24.12	2	42.261	232	86.56	227	39.426	23	50.23	10	56.557	21	44.60	82
Juli 9	29.318	62	24.14	4	42.029	282	88.83	187	39.403	57	50.13	14	56.536	53	43.78	75
19	29.256	93	24.10	12	41.747	324	90.70	143	39.346	88	49.99	20	56.483	84	43.03	67
29	29.163	120	23.98	20	41.423	359	92.13	95	39.258	116	49.79	24	56.399	110	42.36	58
Aug. 8	29.043	141	23.78	28	41.064	384	93.08	46	39.142	138	49.55	30	56.289	131	41.78	47
18	28.902	155	23.50	36	40.680	399	93.54	6	39.004	152	49.25	35	56.158	146	41.31	36
28	28.747	161	23.14	43	40.281	402	93.48	57	38.852	159	48.90	39	56.012	155	40.95	25
Sept. 7	28.586	158	22.71	49	39.879	394	92.91	108	38.693	156	48.51	42	55.857	153	40.70	12
17	28.428	143	22.22	53	39.485	372	91.83	157	38.537	144	48.09	43	55.704	144	40.58	2
27	28.285	120	21.69	53	39.113	338	90.26	204	38.393	121	47.66	41	55.560	124	40.60	17
Okt. 7	28.165	87	21.16	50	38.775	291	88.22	247	38.272	90	47.25	38	55.436	96	40.77	35
17	28.078	45	20.66	44	38.484	233	85.75	286	38.182	49	46.87	29	55.340	60	41.12	53
27	28.033	3	20.22	33	38.251	164	82.89	319	38.133	2	46.58	17	55.280	18	41.65	71
Nov. 6	28.036	56	19.89	20	38.087	87	79.70	346	38.131	49	46.41	3	55.262	31	42.36	92
16	28.092	110	19.69	2	38.000	5	76.24	363	38.180	103	46.38	14	55.293	81	43.28	111
26	28.202	163	19.67	17	37.995	80	72.61	371	38.283	155	46.52	32	55.374	130	44.39	128
Dez. 6	28.365	213	19.84	36	38.075	164	68.90	369	38.438	203	46.84	51	55.504	177	45.67	143
16	28.578	256	20.20	56	38.239	244	65.21	355	38.641	247	47.35	69	55.681	219	47.10	155
26	28.834	292	20.76	74	38.483	316	61.66	330	38.888	283	48.04	85	55.900	254	48.65	160
36	29.126		21.50		38.799		58.36		39.171		48.89		56.154		50.25	
Mittl. Ort	25.601		7.74		38.991		87.79		35.715		34.80		53.080		32.96	
sec δ, tg δ	1.082		−0.413		1.927		+1.647		1.062		−0.357		1.002		−0.062	
a, *a′*	+3.5		−10.3		+1.2		−10.0		+3.5		−9.9		+3.1		−9.2	
b, *b′*	+0.01		+0.86		−0.05		+0.87		+0.01		+0.87		0.00		+0.89	

Tag	606) 19 Ursae min. AR.		Dekl.		605) ε Ophiuchi AR.		Dekl.		604) γ^2 Normae AR.		Dekl.		608) τ Herculis AR.		Dekl.	
1934	$16^h 12^m$		+76° 2′		$16^h 14^m$		−4° 31′		$16^h 14^m$		−49° 59′		$16^h 17^m$		+46° 27′	
Jan. 1	36.68	58	20.05	308	49.171	273	67.64	158	52.483	406	43.47	60	44.330	288	53.32	313
11	37.26	71	16.97	264	49.444	296	69.22	154	52.889	440	42.87	28	44.618	329	50.19	276
21	37.97	82	14.33	211	49.740	311	70.76	146	53.329	463	42.59	— 3	44.947	361	47.43	232
31	38.79	89	12.22	150	50.051	318	72.22	132	53.792	475	42.62	33	45.308	380	45.11	177
Feb. 10	39.68	93	10.72	85	50.369	317	73.54	112	54.267	477	42.95	61	45.688	389	43.34	118
20	40.61	94	9.87	16	50.686	312	74.66	89	54.744	469	43.56	85	46.077	387	42.16	54
März 2	41.55	92	9.71	— 51	50.998	300	75.55	64	55.213	456	44.41	108	46.464	376	41.62	— 11
12	42.47	86	10.22	116	51.298	286	76.19	37	55.669	434	45.49	127	46.840	355	41.73	72
22	43.33	78	11.38	174	51.584	267	76.56	10	56.103	409	46.76	143	47.195	327	42.45	132
Apr. 1	44.11	66	13.12	226	51.851	248	76.66	— 13	56.512	378	48.19	155	47.522	294	43.77	182
11	44.77	54	15.38	267	52.099	225	76.53	36	56.890	345	49.74	166	47.816	255	45.59	227
21	45.31	40	18.05	298	52.324	200	76.17	53	57.235	306	51.40	174	48.071	211	47.86	261
Mai 1	45.71	25	21.03	318	52.524	174	75.64	68	57.541	265	53.14	178	48.282	166	50.47	285
11	45.96	8	24.21	328	52.698	146	74.96	78	57.806	219	54.92	180	48.448	118	53.32	299
21	46.04	— 7	27.49	326	52.844	115	74.18	85	58.025	170	56.72	178	48.566	68	56.31	304
30	(26) 45.97	22	30.75	315	(26) 52.959	83	73.33	87	(26) 58.195	119	58.50	173	(27) 48.634	19	59.35	299
Juni 9	45.75	36	33.90	294	53.042	51	72.46	87	58.314	66	60.23	164	48.653	— 30	62.34	285
19	45.39	49	36.84	265	53.093	16	71.59	84	58.380	11	61.87	151	48.623	78	65.19	264
29	44.90	62	39.49	230	53.109	— 18	70.75	79	58.391	— 44	63.38	133	48.545	124	67.83	235
Juli 9	44.28	72	41.79	189	53.091	50	69.96	72	58.347	94	64.71	112	48.421	165	70.18	201
19	43.56	82	43.68	144	53.041	81	69.24	65	58.253	143	65.83	87	48.256	203	72.19	162
29	42.74	88	45.12	95	52.960	107	68.59	57	58.110	184	66.70	59	48.053	236	73.81	119
Aug. 8	41.86	93	46.07	44	52.853	130	68.02	47	57.926	217	67.29	27	47.817	260	75.00	75
18	40.93	96	46.51	— 8	52.723	146	67.55	37	57.709	241	67.56	— 6	47.557	277	75.75	27
28	39.97	97	46.43	60	52.577	155	67.18	26	57.468	251	67.50	39	47.280	286	76.02	— 20
Sept. 7	39.00	95	45.83	111	52.422	154	66.92	14	57.217	249	67.11	72	46.994	283	75.82	68
17	38.05	90	44.72	160	52.268	145	66.78	1	56.968	232	66.39	102	46.711	271	75.14	116
27	37.15	85	43.12	207	52.123	126	66.77	— 13	56.736	201	65.37	130	46.440	248	73.98	162
Okt. 7	36.30	76	41.05	250	51.997	99	66.90	29	56.535	157	64.07	152	46.192	214	72.36	206
17	35.54	64	38.55	289	51.898	62	67.19	46	56.378	100	62.55	167	45.978	170	70.30	246
27	34.90	51	35.66	321	51.836	20	67.65	65	56.278	35	60.88	176	45.808	117	67.84	281
Nov. 6	34.39	37	32.45	347	51.816	— 28	68.30	84	56.243	— 38	59.12	177	45.691	57	65.03	311
16	34.02	20	28.98	364	51.844	78	69.14	103	56.281	114	57.35	170	45.634	— 6	61.92	334
26	33.82	2	25.34	371	51.922	127	70.17	120	56.395	188	55.65	156	45.640	73	58.58	347
Dez. 6	33.80	— 15	21.63	369	52.049	175	71.37	136	56.583	258	54.09	136	45.713	138	55.11	352
16	33.95	32	17.94	353	52.224	216	72.73	148	56.841	322	52.73	111	45.851	200	51.59	345
26	34.27	48	14.41	328	52.440	253	74.21	153	57.163	374	51.62	81	46.051	255	48.14	328
36	34.75		11.13		52.693		75.74		57.537		50.81		46.306		44.86	
Mittl. Ort	40.80		40.06		49.600		59.22		53.450		43.75		45.350		70.73	
sec δ, tg δ	4.146		+4.024		1.003		−0.079		1.556		−1.192		1.452		+1.053	
a, *a′*	−1.7		−9.0		+3.2		−8.9		+4.5		−8.9		+1.8		−8.6	
b, *b′*	−0.12		+0.89		0.00		+0.90		+0.04		+0.90		−0.03		+0.90	

Scheinbare Sternörter 1934

Tag	609) γ Herculis AR.	Δ	609) γ Herculis Dekl.	Δ	615) η Draconis AR.	Δ	615) η Draconis Dekl.	Δ	611) γ Apodis AR.	Δ	611) γ Apodis Dekl.	Δ	616) α Scorpii AR.	Δ	616) α Scorpii Dekl.	Δ
1934	16^h18^m		$+19°18'$		16^h23^m		$+61°39'$		16^h23^m		$-78°45'$		16^h25^m		$-26°17'$	
Jan. 1	$59.^s898$	255	$11.''73$	250	$3.^s70$	34	$29.''13$	325	$11.^s31$	109	$6.''53$	185	$20.^s847$	300	$18.''16$	47
11	60.153	290	9.23	230	4.04	41	25.88	285	12.40	122	4.68	142	21.147	326	18.63	61
21	60.443	305	6.93	202	4.45	46	23.03	234	13.62	132	3.26	94	21.473	344	19.24	72
31	60.748	315	4.91	165	4.91	49	20.69	177	14.94	138	2.32	45	21.817	353	19.96	79
Feb. 10	61.063	318	3.26	123	5.40	52	18.92	112	16.32	142	1.87	4	22.170	354	20.75	83
20	61.381	313	2.03	77	5.92	52	17.80	45	17.74	141	1.91	51	22.524	349	21.58	84
März 2	61.694	304	1.26	30	6.44	51	17.35	24	19.15	138	2.42	96	22.873	340	22.42	81
12	61.998	288	0.96	18	6.95	48	17.59	89	20.53	133	3.38	138	23.213	325	23.23	77
22	62.286	268	1.14	63	7.43	44	18.48	151	21.86	126	4.76	176	23.538	308	24.00	71
Apr. 1	62.554	247	1.77	104	7.87	39	19.99	206	23.12	115	6.52	210	23.846	287	24.71	65
11	62.801	221	2.81	140	8.26	33	22.05	250	24.27	104	8.62	239	24.133	265	25.36	59
21	63.022	194	4.21	167	8.59	27	24.55	286	25.31	90	11.01	263	24.398	239	25.95	54
Mai 1	63.216	164	5.88	190	8.86	20	27.41	312	26.21	75	13.64	281	24.637	211	26.49	48
11	63.380	133	7.78	203	9.06	12	30.53	325	26.96	59	16.45	292	24.848	179	26.97	45
21	63.513	99	9.81	210	9.18	5	33.78	328	27.55	41	19.37	299	25.027	147	27.42	40
30	[27] 63.612	64	11.91	209	[28] 9.23	3	37.06	322	[29] 27.96	23	22.36	297	[29] 25.174	110	27.82	37
Juni 9	63.676	29	14.00	203	9.20	10	40.28	306	28.19	5	25.33	288	25.284	73	28.19	33
19	63.705	5	16.03	190	9.10	17	43.34	282	28.24	14	28.21	273	25.357	34	28.52	28
29	63.700	40	17.93	174	8.93	24	46.16	250	28.10	31	30.94	248	25.391	6	28.80	23
Juli 9	63.660	75	19.67	152	8.69	30	48.66	212	27.79	49	33.42	219	25.385	44	29.03	16
19	63.585	105	21.19	127	8.39	35	50.78	170	27.30	63	35.61	181	25.341	80	29.19	9
29	63.480	133	22.46	100	8.04	39	52.48	123	26.67	77	37.42	138	25.261	113	29.28	1
Aug. 8	63.347	154	23.46	71	7.65	42	53.71	74	25.90	86	38.80	90	25.148	139	29.27	11
18	63.193	170	24.17	41	7.23	45	54.45	24	25.04	93	39.70	37	25.009	159	29.16	21
28	63.023	179	24.58	8	6.78	46	54.69	29	24.11	96	40.07	16	24.850	170	28.95	32
Sept. 7	62.844	179	24.66	24	6.32	45	54.40	81	23.15	95	39.91	71	24.680	172	28.63	42
17	62.665	171	24.42	57	5.87	43	53.59	131	22.20	90	39.20	123	24.508	162	28.21	51
27	62.494	152	23.85	90	5.44	41	52.28	181	21.30	80	37.97	173	24.346	142	27.70	56
Okt. 7	62.342	125	22.95	123	5.03	36	50.47	226	20.50	67	36.24	215	24.204	113	27.14	60
17	62.217	89	21.72	154	4.67	30	48.21	268	19.83	50	34.09	252	24.091	72	26.54	59
27	62.128	47	20.18	184	4.37	23	45.53	305	19.33	30	31.57	277	24.019	26	25.95	55
Nov. 6	62.081	0	18.34	210	4.14	15	42.48	334	19.03	8	28.80	293	23.993	28	25.40	45
16	62.081	51	16.24	232	3.99	6	39.14	357	18.95	15	25.87	298	24.021	82	24.95	33
26	62.132	102	13.92	249	3.93	3	35.57	370	19.10	38	22.89	291	24.103	138	24.62	18
Dez. 6	62.234	152	11.43	260	3.96	11	31.87	371	19.48	60	19.98	274	24.241	190	24.44	1
16	62.386	197	8.83	262	4.07	21	28.16	362	20.08	81	17.24	247	24.431	237	24.43	17
26	62.583	236	6.21	256	4.28	30	24.54	341	20.89	99	14.77	213	24.668	277	24.60	35
36	62.819		3.65		4.58		21.13		21.88		12.64		24.945		24.95	
Mittl. Ort	60.436		24.85		5.57		47.67		16.02		9.47		21.400		13.93	
sec δ, tg δ	1.060		+0.350		2.107		+1.854		5.127		—5.028		1.115		—0.494	
a, a'	+2.6		—8.5		+0.8		—8.2		+9.2		—8.2		+3.7		—8.0	
b, b'	—0.01		+0.90		—0.05		+0.91		+0.14		+0.91		+0.01		+0.92	

Tag	618) β Herculis				619) *A* Draconis			
	AR.		Dekl.		AR.		Dekl.	
1934	$16^h 27^m$		$+21° 37'$		$16^h 28^m$		$+68° 54'$	
Jan. 1	22.307	252	42.56	259	3.40	40	20.91	324
11	22.559	282	39.97	237	3.80	48	17.67	285
21	22.841	301	37.60	208	4.28	56	14.82	235
31	23.142	314	35.52	170	4.84	62	12.47	176
Feb. 10	23.456	319	33.82	127	5.46	64	10.71	112
20	23.775	316	32.55	79	6.10	66	9.59	44
März 2	24.091	307	31.76	29	6.76	65	9.15	25
12	24.398	294	31.47	20	7.41	61	9.40	92
22	24.692	275	31.67	67	8.02	57	10.32	153
Apr. 1	24.967	253	32.34	109	8.59	50	11.85	207
11	25.220	229	33.43	147	9.09	42	13.92	254
21	25.449	201	34.90	177	9.51	33	16.46	289
Mai 1	25.650	171	36.67	200	9.84	23	19.35	315
11	25.821	140	38.67	215	10.07	14	22.50	329
21	25.961	105	40.82	222	10.21	4	25.79	332
30*)	[30] 26.066	70	43.04	223	[30] 10.25	7	29.11	326
Juni 9	26.136	34	45.27	216	10.18	17	32.37	310
19	26.170	2	47.43	203	10.01	26	35.47	285
29	26.168	39	49.46	185	9.75	35	38.32	252
Juli 9	26.129	74	51.31	164	9.40	42	40.84	216
19	26.055	106	52.95	138	8.98	49	43.00	172
29	25.949	134	54.33	109	8.49	55	44.72	126
Aug. 8	25.815	158	55.42	78	7.94	59	45.98	75
18	25.657	175	56.20	46	7.35	61	46.73	24
28	25.482	185	56.66	12	6.74	63	46.97	28
Sept. 7	25.297	187	56.78	22	6.11	63	46.69	81
17	25.110	178	56.56	57	5.48	60	45.88	131
27	24.932	162	55.99	92	4.88	57	44.57	181
Okt. 7	24.770	136	55.07	126	4.31	51	42.76	227
17	24.634	100	53.81	159	3.80	44	40.49	269
27	24.534	59	52.22	190	3.36	35	37.80	306
Nov. 6	24.475	11	50.32	217	3.01	24	34.74	335
16	24.464	40	48.15	240	2.77	14	31.39	358
26	24.504	91	45.75	257	2.63	2	27.81	370
Dez. 6	24.595	141	43.18	269	2.61	10	24.11	373
16	24.736	188	40.49	271	2.71	22	20.38	363
26	24.924	228	37.78	265	2.93	33	16.75	341
36	25.152		35.13		3.26		13.34	
Mittl. Ort	22.904		55.83		6.17		39.51	
sec δ, tg δ	1.076		+0.397		2.779		+2.593	
a, *a'*	+2.6		−7.9		−0.1		−7.8	
b, *b'*	−0.01		+0.92		−0.07		+0.92	

Tag	621) υ Herculis				622) ζ Ophiuchi			
	AR.		Dekl.		AR.		Dekl.	
1934	$16^h 31^m$		$+42° 33'$		$16^h 33^m$		$-10° 26'$	
Jan. 1	57.484	264	63.74	312	30.843	266	13.06	122
11	57.748	305	60.62	281	31.109	292	14.28	124
21	58.053	335	57.81	238	31.401	309	15.52	120
31	58.388	357	55.43	188	31.710	318	16.72	112
Feb. 10	58.745	367	53.55	132	32.028	321	17.84	100
20	59.112	368	52.23	70	32.349	318	18.84	82
März 2	59.480	360	51.53	7	32.667	310	19.66	63
12	59.840	345	51.46	55	32.977	298	20.29	43
22	60.185	321	52.01	112	33.275	283	20.72	22
Apr. 1	60.506	293	53.13	166	33.558	265	20.94	1
11	60.799	259	54.79	209	33.823	244	20.95	15
21	61.058	222	56.88	248	34.067	222	20.80	31
Mai 1	61.280	181	59.36	273	34.289	196	20.49	42
11	61.461	137	62.09	290	34.485	168	20.07	51
21	61.598	91	64.99	298	34.653	138	19.56	56
30*)	61.689	45	67.97	296	[31] 34.791	106	19.00	59
Juni 9	[31] 61.734	2	70.93	285	34.897	71	18.41	59
19	61.732	48	73.78	267	34.968	35	17.82	58
29	61.684	93	76.45	241	35.003	1	17.24	56
Juli 9	61.591	134	78.86	210	35.002	36	16.68	52
19	61.457	173	80.96	175	34.966	70	16.16	47
29	61.284	206	82.71	134	34.896	100	15.69	43
Aug. 8	61.078	233	84.05	92	34.796	126	15.26	39
18	60.845	252	84.97	47	34.670	145	14.87	33
28	60.593	264	85.44	1	34.525	156	14.54	28
Sept. 7	60.329	264	85.45	47	34.369	159	14.26	22
17	60.065	256	84.98	93	34.210	153	14.04	15
27	59.809	236	84.05	138	34.057	136	13.89	7
Okt. 7	59.573	206	82.67	182	33.921	110	13.82	4
17	59.367	166	80.85	223	33.811	75	13.86	16
27	59.201	118	78.62	260	33.736	33	14.02	30
Nov. 6	59.083	63	76.02	291	33.703	13	14.32	46
16	59.020	3	73.11	317	33.716	64	14.78	62
26	59.017	59	69.94	333	33.780	114	15.40	79
Dez. 6	59.076	121	66.61	341	33.894	163	16.19	94
16	59.197	180	63.20	338	34.057	206	17.13	106
26	59.377	233	59.82	325	34.263	244	18.19	116
36	59.610		56.57		34.507		19.35	
Mittl. Ort	58.482		79.85		31.334		5.73	
sec δ, tg δ	1.358		+0.919		1.017		−0.184	
a, *a'*	+1.9		−7.5		+3.3		−7.4	
b, *b'*	−0.02		+0.93		0.00		+0.93	

*) Bei Stern 621) und 622) lies Mai 31

Tag	626) η Herculis				625) α Triang. austr.				627) Grb 2377				628) ε Scorpii			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1934	16h 40m		+39° 2′		16h 41m		−68° 54′		16h 44m		+56° 53′		16h 45m		−34° 10′	
	s		″		s		″		s		″		s		″	
Jan. 1	37.010	250	33.45	309	37.11	61	32.80	170	0.866	283	40.27	333	52.323	303	33.91	8
11	37.260	289	30.36	279	37.72	68	31.10	134	1.149	344	36.94	299	52.626	335	33.83	8
21	37.549	319	27.57	241	38.40	73	29.76	94	1.493	393	33.95	253	52.961	356	33.91	26
31	37.868	340	25.16	193	39.13	78	28.82	53	1.886	429	31.42	200	53.317	371	34.17	39
Feb. 10	38.208	352	23.23	138	39.91	80	28.29	10	2.315	451	29.42	138	53.688	376	34.56	51
20	38.560	354	21.85	79	40.71	80	28.19	31	2.766	461	28.04	72	54.064	376	35.07	60
März 2	38.914	348	21.06	19	41.51	79	28.50	69	3.227	456	27.32	5	54.440	369	35.67	66
12	39.262	334	20.87	42	42.30	76	29.19	105	3.683	440	27.27	62	54.809	358	36.33	70
22	39.596	315	21.29	100	43.06	73	30.24	139	4.123	412	27.89	124	55.167	342	37.03	73
Apr. 1	39.911	290	22.29	152	43.79	69	31.63	168	4.535	375	29.13	182	55.509	323	37.76	76
11	40.201	260	23.81	197	44.48	62	33.31	195	4.910	329	30.95	230	55.832	302	38.52	77
21	40.461	225	25.78	234	45.10	56	35.26	217	5.239	277	33.25	270	56.134	276	39.29	77
Mai 1	40.686	189	28.12	262	45.66	49	37.43	235	5.516	218	35.95	300	56.410	247	40.06	79
11	40.875	147	30.74	280	46.15	41	39.78	247	5.734	157	38.95	319	56.657	214	40.85	80
21	41.022	105	33.54	290	46.56	31	42.25	255	5.891	93	42.14	328	56.871	178	41.65	79
31	[2] 41.127	62	36.44	289	[2] 46.87	22	44.80	256	[3] 5.984	28	45.42	326	[3] 57.049	139	42.44	78
Juni 9	41.189	17	39.33	281	47.09	12	47.36	252	6.012	38	48.68	315	57.188	98	43.22	75
19	41.206	28	42.14	264	47.21	2	49.88	241	5.974	101	51.83	296	57.286	54	43.97	72
29	41.178	71	44.78	241	47.23	9	52.29	223	5.873	162	54.79	269	57.340	9	44.69	65
Juli 9	41.107	113	47.19	212	47.14	18	54.52	199	5.711	218	57.48	235	57.349	35	45.34	56
19	40.994	151	49.31	179	46.96	27	56.51	169	5.493	269	59.83	196	57.314	77	45.90	46
29	40.843	185	51.10	141	46.69	35	58.20	133	5.224	312	61.79	152	57.237	115	46.36	32
Aug. 8	40.658	212	52.51	100	46.34	41	59.53	92	4.912	349	63.31	106	57.122	147	46.68	17
18	40.446	232	53.51	57	45.93	47	60.45	47	4.563	374	64.37	56	56.975	172	46.85	0
28	40.214	246	54.08	13	45.46	49	60.92	1	4.189	389	64.93	6	56.803	188	46.85	18
Sept. 7	39.968	248	54.21	32	44.97	50	60.91	49	3.800	392	64.99	46	56.615	193	46.67	36
17	39.720	241	53.89	78	44.47	47	60.42	96	3.408	383	64.53	96	56.422	187	46.31	53
27	39.479	225	53.11	123	44.00	44	59.46	141	3.025	360	63.57	147	56.235	169	45.78	68
Okt. 7	39.254	197	51.88	166	43.56	36	58.05	181	2.665	325	62.10	195	56.066	140	45.10	80
17	39.057	160	50.22	206	43.20	28	56.24	215	2.340	277	60.15	239	55.926	99	44.30	88
27	38.897	114	48.16	243	42.92	17	54.09	239	2.063	219	57.76	278	55.827	51	43.42	91
Nov. 6	38.783	62	45.73	276	42.75	5	51.70	256	1.844	150	54.98	313	55.776	4	42.51	89
16	38.721	5	42.97	302	42.70	7	49.14	262	1.694	75	51.85	339	55.780	62	41.62	84
26	38.716	54	39.95	320	42.77	20	46.52	259	1.619	5	48.46	358	55.842	122	40.78	72
Dez. 6	38.770	113	36.75	330	42.97	33	43.93	247	1.624	86	44.88	365	55.964	179	40.06	58
16	38.883	169	33.45	330	43.30	44	41.46	222	1.710	165	41.23	361	56.143	231	39.48	41
26	39.052	220	30.15	318	43.74	55	39.24	195	1.875	240	37.62	347	56.374	276	39.07	23
36	39.272		26.97		44.29		37.29		2.115		34.15		56.650		38.84	
Mittl. Ort	37.964		48.64		39.42		33.80		2.585		56.96		53.009		30.38	
sec δ, tg δ	1.288		+0.811		2.779		−2.593		1.831		+1.534		1.209		−0.679	
a, *a′*	+2.1		−6.8		+6.3		−6.7		+1.1		−6.5		+3.9		−6.4	
b, *b′*	−0.02		+0.94		+0.06		+0.94		−0.03		+0.95		+0.01		+0.95	

Tag	629) 49 Herculis AR.		Dekl.		630) ζ^2 Scorpii AR.		Dekl.		631) ζ Arae AR.		Dekl.		633) $\varkappa$ Ophiuchi AR.		Dekl.	
1934	$16^h 49^m$		$+15° 4'$		$16^h 49^m$		$-42° 15'$		$16^h 53^m$		$-55° 53'$		$16^h 54^m$		$+9° 28'$	
Jan. 1	3.886 (s)	234	49.30 (″)	234	55.095 (s)	329	3.11 (″)	55	7.727 (s)	406	18.29 (″)	126	31.985 (s)	231	23.97 (″)	210
11	4.120	265	46.96	219	55.424	365	2.56	32	8.133	456	17.03	97	32.216	261	21.87	198
21	4.385	286	44.77	196	55.789	392	2.24	10	8.589	492	16.06	66	32.477	283	19.89	180
31	4.671	301	42.81	165	56.181	407	2.14	10	9.081	518	15.40	34	32.760	296	18.09	153
Feb. 10	4.972	308	41.16	128	56.588	416	2.24	30	9.599	530	15.06	3	33.056	305	16.56	122
20	5.280	309	39.88	86	57.004	416	2.54	47	10.129	534	15.03	27	33.361	306	15.34	85
März 2	5.589	304	39.02	42	57.420	411	3.01	62	10.663	529	15.30	55	33.667	301	14.49	47
12	5.893	295	38.60	2	57.831	399	3.63	75	11.192	515	15.85	81	33.968	293	14.02	6
22	6.188	281	38.62	46	58.230	382	4.38	86	11.707	495	16.66	105	34.261	281	13.96	32
Apr. 1	6.469	263	39.08	85	58.612	363	5.24	95	12.202	469	17.71	125	34.542	264	14.28	69
11	6.732	243	39.93	121	58.975	338	6.19	104	12.671	436	18.96	145	34.806	246	14.97	101
21	6.975	219	41.14	152	59.313	309	7.23	110	13.107	398	20.41	162	35.052	224	15.98	127
Mai 1	7.194	192	42.66	172	59.622	277	8.33	116	13.505	354	22.03	174	35.276	198	17.25	149
11	7.386	163	44.38	189	59.899	241	9.49	120	13.859	305	23.77	185	35.474	170	18.74	163
21	7.549	132	46.27	198	60.140	200	10.69	123	14.164	249	25.62	191	35.644	140	20.37	172
31	7.681	97	48.25	200	60.340	157	11.92	123	14.413	190	27.53	194	35.784	107	22.09	175
Juni 9	4 7.778	62	50.25	197	4 60.497	109	13.15	120	5 14.603	127	29.47	191	5 35.891	73	23.84	172
19	7.840	26	52.22	187	60.606	60	14.35	115	14.730	61	31.38	184	35.964	36	25.56	165
29	7.866	12	54.09	174	60.666	9	15.50	107	14.791	5	33.22	173	36.000	1	27.21	153
Juli 9	7.854	48	55.83	156	60.675	40	16.57	95	14.786	71	34.95	155	35.999	37	28.74	138
19	7.806	81	57.39	135	60.635	87	17.52	79	14.715	132	36.50	133	35.962	72	30.12	120
29	7.725	114	58.74	110	60.548	130	18.31	61	14.583	187	37.83	106	35.890	103	31.32	100
Aug. 8	7.611	139	59.84	85	60.418	166	18.92	39	14.396	235	38.89	74	35.787	130	32.32	79
18	7.472	160	60.69	58	60.252	195	19.31	15	14.161	271	39.63	40	35.657	152	33.11	56
28	7.312	173	61.27	29	60.057	213	19.46	11	13.890	295	40.03	2	35.505	166	33.67	31
Sept. 7	7.139	178	61.56	1	59.844	219	19.35	36	13.595	303	40.05	36	35.339	172	33.98	7
17	6.961	175	61.55	31	59.625	212	18.99	61	13.292	294	39.69	74	35.167	169	34.05	19
27	6.786	160	61.24	61	59.413	194	18.38	84	12.998	270	38.95	109	34.998	156	33.86	45
Okt. 7	6.626	138	60.63	92	59.219	161	17.54	104	12.728	229	37.86	140	34.842	134	33.41	71
17	6.488	106	59.71	121	59.058	118	16.50	119	12.499	173	36.46	167	34.708	103	32.70	98
27	6.382	68	58.50	150	58.940	64	15.31	129	12.326	105	34.79	187	34.605	66	31.72	123
Nov. 6	6.314	22	57.00	177	58.876	4	14.02	132	12.221	27	32.92	199	34.539	20	30.49	147
16	6.292	26	55.23	200	58.872	62	12.70	131	12.194	55	30.93	203	34.519	26	29.02	169
26	6.318	76	53.23	218	58.934	126	11.39	122	12.249	141	28.90	199	34.545	75	27.33	188
Dez. 6	6.394	124	51.05	232	59.060	190	10.17	109	12.390	222	26.91	187	34.620	124	25.45	201
16	6.518	170	48.73	239	59.250	247	9.08	91	12.612	299	25.04	170	34.744	168	23.44	210
26	6.688	211	46.34	237	59.497	300	8.17	71	12.911	367	23.34	146	34.912	208	21.34	210
36	6.899		43.97		59.797		7.46		13.278		21.88		35.120		19.24	
Mittl. Ort	4.504		60.83		55.927		0.59		9.006		17.30		32.578		34.51	
sec δ, tg δ	1.036		+0.269		1.351		−0.908		1.783		−1.476		1.014		+0.167	
a, *a'*	+2.7		−6.1		+4.2		−6.0		+5.0		−5.8		+2.9		−5.6	
b, *b'*	−0.01		+0.95		+0.02		+0.95		+0.03		+0.96		0.00		+0.96	

Scheinbare Sternörter 1934

Tag	634) ε Herculis AR.	Δ	634) ε Herculis Dekl.	Δ	637) η Ophiuchi AR.	Δ	637) η Ophiuchi Dekl.	Δ	639) ζ Draconis AR.	Δ	639) ζ Draconis Dekl.	Δ	640) α Herculis AR.	Δ	640) α Herculis Dekl.	Δ
1934	$16^h 57^m$		$+31° 0'$		$17^h 6^m$		$-15° 38'$		$17^h 8^m$		$+65° 47'$		$17^h 11^m$		$+14° 27'$	
Jan. 1	44.964	226	67.55	291	34.858	247	48.14	78	32.69	28	29.80	344	37.535	215	40.27	228
11	45.190	263	64.64	267	35.105	276	48.92	83	32.97	36	26.36	314	37.750	247	37.99	216
21	45.453	292	61.97	235	35.381	298	49.75	83	33.33	44	23.22	272	37.997	272	35.83	195
31	45.745	312	59.62	194	35.679	313	50.58	79	33.77	51	20.50	221	38.269	290	33.88	166
Feb. 10	46.057	324	57.68	146	35.992	321	51.37	72	34.28	55	18.29	161	38.559	300	32.22	130
20	46.381	329	56.22	92	36.313	324	52.09	61	34.83	57	16.68	95	38.859	305	30.92	91
März 2	46.710	326	55.30	37	36.637	321	52.70	47	35.40	58	15.73	28	39.164	305	30.01	47
12	47.036	318	54.93	21	36.958	314	53.17	32	35.98	57	15.45	40	39.469	298	29.54	3
22	47.354	303	55.14	74	37.272	304	53.49	17	36.55	55	15.85	106	39.767	289	29.51	41
Apr. 1	47.657	284	55.88	125	37.576	291	53.66	3	37.10	50	16.91	167	40.056	275	29.92	81
11	47.941	260	57.13	170	37.867	273	53.69	11	37.60	44	18.58	219	40.331	256	30.73	118
21	48.201	232	58.83	206	38.140	254	53.58	21	38.04	38	20.77	264	40.587	236	31.91	148
Mai 1	48.433	202	60.89	235	38.394	230	53.37	30	38.42	31	23.41	298	40.823	212	33.39	172
11	48.635	166	63.24	255	38.624	204	53.07	35	38.73	22	26.39	322	41.035	184	35.11	190
21	48.801	130	65.79	266	38.828	175	52.72	38	38.95	13	29.61	336	41.219	153	37.01	200
31	48.931	91	68.45	270	39.003	141	52.34	40	39.08	5	32.97	338	41.372	119	39.01	205
Juni 9*)	[6] 49.022	49	71.15	264	[8] 39.144	106	51.94	39	[9] 39.13	5	36.35	332	41.491	83	41.06	202
19	49.071	8	73.79	252	39.250	67	51.55	36	39.08	13	39.67	317	[10] 41.574	46	43.08	194
29	49.079	33	76.31	234	39.317	28	51.19	34	38.95	22	42.84	292	41.620	8	45.02	182
Juli 9	49.046	74	78.65	209	39.345	11	50.85	31	38.73	30	45.76	262	41.628	31	46.84	166
19	48.972	111	80.74	180	39.334	49	50.54	28	38.43	36	48.38	225	41.597	67	48.50	144
29	48.861	146	82.54	148	39.285	84	50.26	26	38.07	43	50.63	183	41.530	101	49.94	122
Aug. 8	48.715	175	84.02	111	39.201	115	50.00	24	37.64	48	52.46	137	41.429	130	51.16	97
18	48.540	197	85.13	74	39.086	140	49.76	22	37.16	52	53.83	87	41.299	155	52.13	70
28	48.343	213	85.87	34	38.946	158	49.54	22	36.64	55	54.70	37	41.144	171	52.83	41
Sept. 7	48.130	218	86.21	7	38.788	165	49.32	20	36.09	56	55.07	16	40.973	179	53.24	12
17	47.912	216	86.14	49	38.623	165	49.12	19	35.53	55	54.91	68	40.794	179	53.36	17
27	47.696	202	85.65	90	38.458	152	48.93	17	34.98	53	54.23	120	40.615	169	53.19	48
Okt. 7	47.494	179	84.75	130	38.306	133	48.76	12	34.45	50	53.03	170	40.446	150	52.71	78
17	47.315	147	83.45	169	38.173	98	48.64	7	33.95	44	51.33	217	40.296	121	51.93	107
27	47.168	107	81.76	206	38.075	60	48.57	2	33.51	37	49.16	261	40.175	84	50.86	136
Nov. 6	47.061	59	79.70	237	38.015	14	48.59	12	33.14	29	46.55	299	40.091	41	49.50	163
16	47.002	7	77.33	265	38.001	35	48.71	24	32.85	20	43.56	329	40.050	5	47.87	187
26	46.995	46	74.68	285	38.036	86	48.95	36	32.65	10	40.27	352	40.055	54	46.00	207
Dez. 6	47.041	100	71.83	299	38.122	135	49.31	50	32.55	1	36.75	365	40.109	102	43.93	222
16	47.141	152	68.84	303	38.257	181	49.81	61	32.56	12	33.10	365	40.211	148	41.71	229
26	47.293	199	65.81	297	38.438	222	50.42	71	32.68	21	29.45	355	40.359	191	39.42	230
36	47.492		62.84		38.660		51.13		32.89		25.90		40.550		37.12	
Mittl. Ort	45.826		80.86		35.435		41.38		35.50		44.96		38.218		51.01	
sec δ, tg δ	1.167		+0.601		1.038		−0.280		2.439		+2.225		1.033		+0.258	
a, *a'*	+2.3		−5.4		+3.4		−4.6		+0.2		−4.5		+2.7		−4.2	
b, *b'*	−0.01		+0.96		0.00		+0.97		−0.03		+0.97		0.00		+0.98	

*) Bei Stern 640) lies Juni 10

Tag	641) δ Herculis AR.		Dekl.	
1934	$17^h 12^m$		$+24° 54'$	
Jan. 1	18.384	212	45.12	271
11	18.596	247	42.41	253
21	18.843	275	39.88	226
31	19.118	296	37.62	190
Feb. 10	19.414	308	35.72	146
20	19.722	316	34.26	99
März 2	20.038	315	33.27	47
12	20.353	309	32.80	6
22	20.662	298	32.86	57
Apr. 1	20.960	283	33.43	105
11	21.243	263	34.48	147
21	21.506	240	35.95	184
Mai 1	21.746	212	37.79	212
11	21.958	182	39.91	233
21	22.140	148	42.24	245
31	22.288	111	44.69	250
Juni 10	[10] 22.399	73	47.19	247
19	22.472	33	49.66	238
29	22.505	9	52.04	222
Juli 9	22.496	48	54.26	201
19	22.448	85	56.27	176
29	22.363	121	58.03	147
Aug. 8	22.242	151	59.50	116
18	22.091	176	60.66	81
28	21.915	193	61.47	45
Sept. 7	21.722	201	61.92	9
17	21.521	201	62.01	29
27	21.320	191	61.72	67
Okt. 7	21.129	170	61.05	104
17	20.959	142	60.01	141
27	20.817	103	58.60	174
Nov. 6	20.714	60	56.86	207
16	20.654	11	54.79	233
26	20.643	40	52.46	256
Dez. 6	20.683	91	49.90	270
16	20.774	140	47.20	277
26	20.914	185	44.43	275
36	21.099		41.68	
Mittl. Ort	19.197		57.02	
sec δ, tg δ	1.103		+0.465	
a, *a'*	+2.5		—4.1	
b, *b'*	—0.01		+0.98	

Tag	643) π Herculis AR.		Dekl.	
1934	$17^h 12^m$		$+36° 52'$	
Jan. 1	43.800	214	43.97	308
11	44.014	255	40.89	286
21	44.269	288	38.03	252
31	44.557	315	35.51	210
Feb. 10	44.872	331	33.41	159
20	45.203	340	31.82	103
März 2	45.543	342	30.79	44
12	45.885	336	30.35	16
22	46.221	323	30.51	74
Apr. 1	46.544	305	31.25	129
11	46.849	281	32.54	176
21	47.130	253	34.30	218
Mai 1	47.383	220	36.48	250
11	47.603	183	38.98	273
21	47.786	143	41.71	288
31	47.929	101	44.59	292
Juni 10	[10] 48.030	57	47.51	290
19	48.087	11	50.41	277
29	48.098	35	53.18	260
Juli 9	48.063	78	55.78	234
19	47.985	119	58.12	205
29	47.866	158	60.17	170
Aug. 8	47.708	191	61.87	132
18	47.517	216	63.19	91
28	47.301	234	64.10	49
Sept. 7	47.067	244	64.59	5
17	46.823	242	64.64	41
27	46.581	232	64.23	85
Okt. 7	46.349	209	63.38	129
17	46.140	179	62.09	171
27	45.961	138	60.38	210
Nov. 6	45.823	90	58.28	246
16	45.733	38	55.82	276
26	45.695	19	53.06	299
Dez. 6	45.714	76	50.07	315
16	45.790	131	46.92	319
26	45.921	182	43.73	315
36	46.103		40.58	
Mittl. Ort	44.858		57.02	
sec δ, tg δ	1.250		+0.750	
a, *a'*	+2.1		—4.1	
b, *b'*	—0.01		+0.98	

Tag	644) ϑ Ophiuchi AR.		Dekl.	
1934	$17^h 17^m$		$-24° 56'$	
Jan. 1	56.575	253	13.07	19
11	56.828	284	13.26	29
21	57.112	310	13.55	36
31	57.422	327	13.91	40
Feb. 10	57.749	337	14.31	41
20	58.086	342	14.72	40
März 2	58.428	342	15.12	37
12	58.770	336	15.49	32
22	59.106	327	15.81	26
Apr. 1	59.433	315	16.07	21
11	59.748	298	16.28	16
21	60.046	280	16.44	12
Mai 1	60.326	256	16.56	11
11	60.582	228	16.67	10
21	60.810	198	16.77	10
31	61.008	162	16.87	11
Juni 10	[11] 61.170	125	16.98	13
19	61.295	84	17.11	15
29	61.379	41	17.26	16
Juli 9	61.420	1	17.42	15
19	61.419	43	17.57	14
29	61.376	82	17.71	10
Aug. 8	61.294	117	17.81	5
18	61.177	144	17.86	1
28	61.033	165	17.85	8
Sept. 7	60.868	176	17.77	17
17	60.692	176	17.60	25
27	60.516	166	17.35	32
Okt. 7	60.350	144	17.03	38
17	60.206	113	16.65	40
27	60.093	72	16.25	41
Nov. 6	60.021	24	15.84	38
16	59.997	27	15.46	32
26	60.024	81	15.14	23
Dez. 6	60.105	132	14.91	13
16	60.237	182	14.78	1
26	60.419	226	14.77	11
36	60.645		14.88	
Mittl. Ort	57.215		7.34	
sec δ, tg δ	1.103		—0.465	
a, *a'*	+3.7		—3.7	
b, *b'*	+0.01		+0.98	

Tag	645) β Arae AR.		Dekl.	
1934	$17^h 19^m$		$-55° 28'$	
Jan. 1	47.203	366	14.05	149
11	47.569	419	12.56	125
21	47.988	462	11.31	97
31	48.450	494	10.34	68
Feb. 10	48.944	513	9.66	40
20	49.457	524	9.26	11
März 2	49.981	525	9.15	16
12	50.506	520	9.31	43
22	51.026	506	9.74	67
Apr. 1	51.532	485	10.41	90
11	52.017	460	11.31	111
21	52.477	426	12.42	131
Mai 1	52.903	387	13.73	148
11	53.290	341	15.21	162
21	53.631	289	16.83	173
31	53.920	232	18.56	181
Juni 10	[12] 54.152	170	20.37	183
19	54.322	104	22.20	183
29	54.426	36	24.03	176
Juli 9	54.462	32	25.79	163
19	54.430	98	27.42	147
29	54.332	157	28.89	124
Aug. 8	54.175	211	30.13	96
18	53.964	254	31.09	64
28	53.710	285	31.73	30
Sept. 7	53.425	300	32.03	8
17	53.125	301	31.95	45
27	52.824	284	31.50	83
Okt. 7	52.540	251	30.67	116
17	52.289	202	29.51	146
27	52.087	141	28.05	171
Nov. 6	51.946	67	26.34	188
16	51.879	12	24.46	198
26	51.891	94	22.48	200
Dez. 6	51.985	176	20.48	195
16	52.161	254	18.53	183
26	52.415	323	16.70	165
36	52.738		15.05	
Mittl. Ort	48.485		11.52	
sec δ, tg δ	1.764		—1.453	
a, *a'*	+5.0		—3.5	
b, *b'*	+0.02		+0.98	

Tag	648) δ Arae AR.		648) δ Arae Dekl.		651) α Arae AR.		651) α Arae Dekl.		653) β Draconis AR.		653) β Draconis Dekl.		652) λ Scorpii AR.		652) λ Scorpii Dekl.	
1934	$17^h 25^m$		−60° 37′		$17^h 26^m$		−49° 49′		$17^h 28^m$		+52° 20′		$17^h 29^m$		−37° 3′	
	s		″		s		″		s		″		s		″	
Jan. 1	6.57	40	54.51	179	43.070	322	37.54	126	54.681	203	45.36	342	6.617	271	31.74	57
11	6.97	47	52.72	152	43.392	370	36.28	105	54.884	264	41.94	317	6.888	309	31.17	43
21	7.44	52	51.20	123	43.762	408	35.23	81	55.148	315	38.77	282	7.197	337	30.74	28
31	7.96	55	49.97	93	44.170	435	34.42	58	55.463	355	35.95	237	7.534	361	30.46	15
Feb. 10	8.51	58	49.04	59	44.605	455	33.84	35	55.818	387	33.58	181	7.895	375	30.31	2
20	9.09	60	48.45	27	45.060	464	33.49	11	56.205	407	31.77	121	8.270	383	30.29	8
März 2	9.69	59	48.18	5	45.524	467	33.38	11	56.612	416	30.56	55	8.653	384	30.37	18
12	10.28	59	48.23	36	45.991	462	33.49	31	57.028	413	30.01	11	9.037	381	30.55	26
22	10.87	58	48.59	65	46.453	453	33.80	52	57.441	401	30.12	76	9.418	373	30.81	33
Apr. 1	11.45	56	49.24	92	46.906	436	34.32	70	57.842	380	30.88	136	9.791	361	31.14	40
11	12.01	53	50.16	118	47.342	415	35.02	87	58.222	350	32.24	191	10.152	344	31.54	46
21	12.54	49	51.34	142	47.757	387	35.89	103	58.572	313	34.15	239	10.496	323	32.00	53
Mai 1	13.03	45	52.76	162	48.144	355	36.92	118	58.885	268	36.54	276	10.819	298	32.53	60
11	13.48	39	54.38	180	48.499	316	38.10	131	59.153	218	39.30	304	11.117	268	33.13	66
21	13.87	33	56.18	193	48.815	272	39.41	141	59.371	164	42.34	323	11.385	233	33.79	72
31	14.20	27	58.11	203	49.087	223	40.82	149	59.535	106	45.57	330	11.618	193	34.51	78
Juni 10	14.47	19	60.14	208	49.310	167	42.31	153	59.641	47	48.87	330	11.811	151	35.29	81
19	13 14.66	12	62.22	207	14 49.477	110	43.84	152	14 59.688	13	52.17	319	14 11.962	103	36.10	82
29	14.78	3	64.29	200	49.587	50	45.36	150	59.675	73	55.36	300	12.065	55	36.92	82
Juli 9	14.81	4	66.29	188	49.637	10	46.86	140	59.602	131	58.36	275	12.120	5	37.74	78
19	14.77	11	68.17	169	49.627	70	48.26	127	59.471	184	61.11	243	12.125	43	38.52	71
29	14.66	19	69.86	145	49.557	124	49.53	108	59.287	234	63.54	205	12.082	89	39.23	61
Aug. 8	14.47	25	71.31	115	49.433	173	50.61	86	59.053	275	65.59	163	11.993	129	39.84	47
18	14.22	30	72.46	80	49.260	213	51.47	59	58.778	310	67.22	118	11.864	163	40.31	32
28	13.92	33	73.26	42	49.047	243	52.06	29	58.468	334	68.40	69	11.701	188	40.63	13
Sept. 7	13.59	36	73.68	1	48.804	258	52.35	3	58.134	348	69.09	20	11.513	202	40.76	6
17	13.23	35	73.69	42	48.546	261	52.32	35	57.786	351	69.29	32	11.311	204	40.70	27
27	12.88	34	73.27	84	48.285	248	51.97	68	57.435	340	68.97	82	11.107	195	40.43	47
Okt. 7	12.54	30	72.43	122	48.037	220	51.29	97	57.095	317	68.15	132	10.912	173	39.96	65
17	12.24	25	71.21	156	47.817	179	50.32	124	56.778	283	66.83	180	10.739	138	39.31	80
27	11.99	18	69.65	186	47.638	125	49.08	145	56.495	238	65.03	226	10.601	95	38.51	92
Nov. 6	11.81	10	67.79	207	47.513	61	47.63	160	56.257	181	62.77	266	10.506	42	37.59	98
16	11.71	1	65.72	221	47.452	9	46.03	169	56.076	119	60.11	300	10.464	14	36.61	101
26	11.70	9	63.51	226	47.461	81	44.34	170	55.957	50	57.11	327	10.478	74	35.60	98
Dez. 6	11.79	17	61.25	223	47.542	154	42.64	166	55.907	22	53.84	345	10.552	133	34.62	92
16	11.96	28	59.02	212	47.696	222	40.98	155	55.929	93	50.39	353	10.685	189	33.70	81
26	12.24	35	56.90	194	47.918	284	39.43	140	56.022	162	46.86	348	10.874	240	32.89	68
36	12.59		54.96		48.202		38.03		56.184		43.38		11.114		32.21	
Mittl. Ort	8.14		52.10		44.137		34.15		56.432		58.25		7.398		27.03	
sec δ, tg δ	2.039		−1.777		1.550		−1.184		1.637		+1.296		1.253		−0.755	
a, *a'*	+5.4		−3.0		+4.6		−2.9		+1.4		−2.7		+4.1		−2.7	
b, *b'*	+0.02		+0.99		+0.01		+0.99		−0.01		+0.99		+0.01		+0.99	

Obere Kulmination Greenwich

Tag	656) α Ophiuchi AR.		656) α Ophiuchi Dekl.		654) ϑ Scorpii AR.		654) ϑ Scorpii Dekl.		658) ξ Serpentis AR.		658) ξ Serpentis Dekl.		664) ω Draconis AR.		664) ω Draconis Dekl.	
1934	$17^h\,31^m$		$+12°\,36'$		$17^h\,32^m$		$-42°\,57'$		$17^h\,33^m$		$-15°\,21'$		$17^h\,37^m$		$+68°\,46'$	
Jan. 1	51.465	198	14.06	218	33.464	285	32.92	94	47.723	221	38.28	66	16.50	23	66.52	351
11	51.663	232	11.88	207	33.749	328	31.98	76	47.944	255	38.94	70	16.73	33	63.01	327
21	51.895	257	9.81	189	34.077	361	31.22	58	48.199	279	39.64	69	17.06	42	59.74	292
31	52.152	279	7.92	162	34.438	387	30.64	40	48.478	298	40.33	65	17.48	51	56.82	245
Feb. 10	52.431	291	6.30	130	34.825	403	30.24	23	48.776	310	40.98	56	17.99	58	54.37	190
20	52.722	300	5.00	92	35.228	413	30.01	7	49.086	318	41.54	45	18.57	61	52.47	127
März 2	53.022	302	4.08	51	35.641	416	29.94	9	49.404	319	41.99	32	19.18	64	51.20	61
12	53.324	300	3.57	9	36.057	413	30.03	23	49.723	317	42.31	16	19.82	65	50.59	7
22	53.624	294	3.48	35	36.470	405	30.26	36	50.040	311	42.47	1	20.47	62	50.66	74
Apr. 1	53.918	283	3.83	74	36.875	392	30.62	48	50.351	301	42.48	13	21.09	59	51.40	137
11	54.201	268	4.57	109	37.267	375	31.10	61	50.652	288	42.35	27	21.68	54	52.77	194
21	54.469	250	5.66	141	37.642	352	31.71	72	50.940	271	42.08	36	22.22	48	54.71	244
Mai 1	54.719	228	7.07	165	37.994	324	32.43	83	51.211	252	41.72	44	22.70	39	57.15	284
11	54.947	202	8.72	184	38.318	292	33.26	93	51.463	226	41.28	49	23.09	30	59.99	313
21	55.149	173	10.56	195	38.610	253	34.19	102	51.689	199	40.79	52	23.39	21	63.12	334
31	55.322	140	12.51	201	38.863	211	35.21	108	51.888	166	40.27	50	23.60	11	66.46	343
Juni 10	55.462	104	14.52	200	39.074	163	36.29	113	52.054	131	39.77	49	23.71	0	69.89	344
19	15 55.566	66	16.52	193	15 39.237	112	37.42	116	15 52.185	92	39.28	44	16 23.71	10	73.33	333
29	55.632	28	18.45	182	39.349	59	38.58	113	52.277	52	38.84	40	23.61	20	76.66	316
Juli 9	55.660	12	20.27	166	39.408	5	39.71	108	52.329	11	38.44	34	23.41	30	79.82	290
19	55.648	51	21.93	148	39.413	48	40.79	99	52.340	30	38.10	30	23.11	38	82.72	258
29	55.597	86	23.41	126	39.365	98	41.78	86	52.310	68	37.80	25	22.73	46	85.30	220
Aug. 8	55.511	119	24.67	102	39.267	142	42.64	68	52.242	103	37.55	21	22.27	52	87.50	177
18	55.392	145	25.69	77	39.125	180	43.32	48	52.139	131	37.34	18	21.75	58	89.27	130
28	55.247	165	26.46	50	38.945	207	43.80	24	52.008	152	37.16	16	21.17	62	90.57	81
Sept. 7	55.082	176	26.96	23	38.738	222	44.04	1	51.856	166	37.00	14	20.55	65	91.38	29
17	54.906	180	27.19	6	38.516	227	44.03	28	51.690	169	36.86	13	19.90	65	91.67	24
27	54.726	172	27.13	34	38.289	216	43.75	53	51.521	162	36.73	10	19.25	63	91.43	76
Okt. 7	54.554	156	26.79	63	38.073	193	43.22	76	51.359	143	36.63	7	18.62	61	90.67	128
17	54.398	130	26.16	92	37.880	157	42.46	98	51.216	117	36.56	2	18.01	55	89.39	178
27	54.268	96	25.24	120	37.723	110	41.48	115	51.099	81	36.54	4	17.46	49	87.61	226
Nov. 6	54.172	55	24.04	146	37.613	54	40.33	126	51.018	38	36.58	13	16.97	40	85.35	268
16	54.117	11	22.58	170	37.559	7	39.07	132	50.980	9	36.71	21	16.57	31	82.67	304
26	54.106	36	20.88	190	37.566	72	37.75	133	50.989	58	36.92	33	16.26	20	79.63	333
Dez. 6	54.142	85	18.98	206	37.638	135	36.42	128	51.047	108	37.25	43	16.06	9	76.30	352
16	54.227	130	16.92	215	37.773	197	35.14	118	51.155	154	37.68	52	15.97	4	72.78	360
26	54.357	172	14.77	218	37.970	252	33.96	105	51.309	196	38.20	61	16.01	15	69.18	357
36	54.529		12.59		38.222		32.91		51.505		38.81		16.16		65.61	
Mittl. Ort	52.181		23.91		34.352		28.63		48.339		31.24		20.10		79.10	
sec δ, tg δ	1.025		+0.224		1.366		−0.931		1.037		−0.275		2.764		+2.577	
a, *a'*	+2.8		−2.5		+4.3		−2.4		+3.4		−2.3		−0.4		−2.0	
b, *b'*	0.00		+0.99		+0.01		+0.99		0.00		+0.99		−0.02		+1.00	

Tag	663) ι Herculis AR.		663) ι Herculis Dekl.		661) η Pavonis AR.		661) η Pavonis Dekl.		665) β Ophiuchi AR.		665) β Ophiuchi Dekl.		670) ψ Draconis AR.		670) ψ Draconis Dekl.	
1934	$17^h 37^m$		$+46° 1'$		$17^h 39^m$		$-64° 41'$		$17^h 40^m$		$+4° 35'$		$17^h 43^m$		$+72° 10'$	
	s		"		s		"		s		"		s		"	
Jan. 1	34.582	187	73.76	332	13.11	41	44.12	209	12.002	196	27.14	175	1.99	22	42.25	352
11	34.769	239	70.44	311	13.52	50	42.03	185	12.198	228	25.39	168	2.21	35	38.73	330
21	35.008	284	67.33	278	14.02	56	40.18	156	12.426	254	23.71	155	2.56	47	35.43	295
31	35.292	320	64.55	237	14.58	61	38.62	123	12.680	274	22.16	136	3.03	57	32.48	251
Feb. 10	35.612	348	62.18	185	15.19	64	37.39	90	12.954	288	20.80	109	3.60	65	29.97	196
20	35.960	366	60.33	126	15.83	67	36.49	55	13.242	298	19.71	79	4.25	71	28.01	135
März 2	36.326	376	59.07	64	16.50	68	35.94	21	13.540	299	18.92	45	4.96	74	26.66	68
12	36.702	375	58.43	0	17.18	67	35.73	14	13.839	299	18.47	9	5.70	75	25.98	1
22	37.077	367	58.43	63	17.85	67	35.87	47	14.138	294	18.38	25	6.45	73	25.97	66
Apr. 1	37.444	350	59.06	124	18.52	64	36.34	78	14.432	285	18.63	59	7.18	69	26.63	129
11	37.794	327	60.30	177	19.16	61	37.12	108	14.717	273	19.22	89	7.87	64	27.92	186
21	38.121	297	62.07	224	19.77	57	38.20	136	14.990	256	20.11	115	8.51	56	29.78	237
Mai 1	38.418	260	64.31	263	20.34	53	39.56	161	15.246	237	21.26	135	9.07	46	32.15	278
11	38.678	219	66.94	291	20.87	46	41.17	182	15.483	212	22.61	150	9.53	34	34.93	308
21	38.897	173	69.85	311	21.33	40	42.99	200	15.695	185	24.11	161	9.87	24	38.01	330
31	39.070	123	72.96	320	21.73	32	44.99	214	15.880	154	25.72	164	10.11	12	41.31	341
Juni 10	39.193	72	76.16	321	22.05	24	47.13	221	16.034	118	27.36	163	10.23	0	44.72	342
19	39.265	18	79.37	312	22.29	15	49.34	223	16.152	82	28.99	157	10.23	13	48.14	334
29	39.283	36	82.49	296	22.44	6	51.57	220	16.234	42	30.56	149	10.10	24	51.48	317
Juli 9	39.247	87	85.45	273	22.50	3	53.77	209	16.276	3	32.05	135	9.86	36	54.65	292
19	39.160	138	88.18	243	22.47	12	55.86	192	16.279	35	33.40	121	9.50	46	57.57	261
29	39.022	183	90.61	208	22.35	21	57.78	168	16.244	73	34.61	103	9.04	55	60.18	224
Aug. 8	38.839	223	92.69	168	22.14	27	59.46	138	16.171	105	35.64	85	8.49	63	62.42	181
18	38.616	256	94.37	125	21.87	34	60.84	102	16.066	134	36.49	66	7.86	70	64.23	136
28	38.360	280	95.62	80	21.53	38	61.86	63	15.932	154	37.15	45	7.16	74	65.59	87
Sept. 7	38.080	295	96.42	31	21.15	42	62.49	18	15.778	167	37.60	24	6.42	77	66.46	36
17	37.785	299	96.73	17	20.73	42	62.67	26	15.611	172	37.84	3	5.65	78	66.82	16
27	37.486	292	96.56	66	20.31	40	62.41	72	15.439	166	37.87	19	4.87	77	66.66	69
Okt. 7	37.194	272	95.90	115	19.91	37	61.69	115	15.273	150	37.68	41	4.10	73	65.97	122
17	36.922	243	94.75	162	19.54	31	60.54	155	15.123	125	37.27	62	3.37	68	64.75	171
27	36.679	203	93.13	206	19.23	24	58.99	188	14.998	93	36.65	85	2.69	61	63.04	219
Nov. 6	36.476	154	91.07	248	18.99	16	57.11	216	14.905	54	35.80	107	2.08	51	60.85	262
16	36.322	97	88.59	282	18.83	5	54.95	234	14.851	9	34.73	126	1.57	40	58.23	300
26	36.225	37	85.77	310	18.78	6	52.61	245	14.842	37	33.47	144	1.17	28	55.23	328
Dez. 6	36.188	26	82.67	329	18.84	16	50.16	246	14.879	84	32.03	159	0.89	15	51.95	349
16	36.214	89	79.38	338	19.00	26	47.70	238	14.963	129	30.44	170	0.74	0	48.46	359
26	36.303	151	76.00	337	19.26	36	45.32	224	15.092	170	28.74	173	0.74	14	44.87	357
36	36.454		72.63		19.62		43.08		15.262		27.01		0.88		41.30	
Mittl. Ort	36.057		85.68		14.98		41.15		12.670		36.03		6.45		54.29	
sec δ, tg δ	1.441		+1.037		2.340		−2.115		1.003		+0.080		3.268		+3.111	
a, *a'*	+1.7		−2.0		+5.9		−1.8		+3.0		−1.7		−1.1		−1.5	
b, *b'*	−0.01		+1.00		+0.01		+1.00		0.00		+1.00		−0.02		+1.00	

Tag	667) μ Herculis AR.		Dekl.		671) ξ Draconis AR.		Dekl.	
1934	$17^h 43^m$		$+27° 45'$		$17^h 52^m$		$+56° 52'$	
Jan. 1	51.488	179	18.65	281	21.043	170	45.85	349
11	51.667	218	15.84	266	21.213	241	42.36	330
21	51.885	251	13.18	242	21.454	303	39.06	299
31	52.136	278	10.76	207	21.757	357	36.07	256
Feb. 10	52.414	296	8.69	166	22.114	399	33.51	204
20	52.710	309	7.03	117	22.513	428	31.47	145
März 2	53.019	316	5.86	64	22.941	448	30.02	80
12	53.335	316	5.22	10	23.389	454	29.22	13
22	53.651	310	5.12	44	23.843	447	29.09	54
Apr. 1	53.961	301	5.56	95	24.290	431	29.63	117
11	54.262	285	6.51	142	24.721	402	30.80	175
21	54.547	264	7.93	182	25.123	364	32.55	226
Mai 1	54.811	240	9.75	215	25.487	318	34.81	269
11	55.051	211	11.90	240	25.805	265	37.50	302
21	55.262	177	14.30	258	26.070	205	40.52	325
31	55.439	141	16.88	266	26.275	141	43.77	338
Juni 10	55.580	100	19.54	267	26.416	75	47.15	342
19*)	[18] 55.680	59	22.21	260	[20] 26.491	6	50.57	336
29	55.739	16	24.81	248	26.497	63	53.93	321
Juli 9	55.755	28	27.29	228	26.434	128	57.14	299
19	55.727	69	29.57	204	26.306	192	60.13	269
29	55.658	109	31.61	176	26.114	250	62.82	235
Aug. 8	55.549	143	33.37	143	25.864	300	65.17	195
18	55.406	174	34.80	109	25.564	342	67.12	150
28	55.232	195	35.89	72	25.222	375	68.62	102
Sept. 7	55.037	209	36.61	34	24.847	395	69.64	53
17	54.828	214	36.95	6	24.452	404	70.17	1
27	54.614	209	36.89	46	24.048	399	70.18	51
Okt. 7	54.405	193	36.43	85	23.649	380	69.67	104
17	54.212	169	35.58	125	23.269	349	68.63	155
27	54.043	135	34.33	162	22.920	304	67.08	202
Nov. 6	53.908	94	32.71	197	22.616	248	65.06	247
16	53.814	48	30.74	228	22.368	183	62.59	285
26	53.766	2	28.46	252	22.185	111	59.74	317
Dez. 6	53.768	53	25.94	272	22.074	34	56.57	339
16	53.821	104	23.22	282	22.040	45	53.18	352
26	53.925	150	20.40	283	22.085	123	49.66	353
36	54.075		17.57		22.208		46.13	
Mittl. Ort	52.446		29.14		23.236		56.85	
sec δ, tg δ	1.130		+0.526		1.830		+1.533	
a, a'	+2.4		—1.4		+1.0		—0.7	
b, b'	0.00		+1.00		0.00		+1.00	

Tag	675) 35 Draconis AR.		Dekl.		672) ϑ Herculis AR.		Dekl.	
1934	$17^h 52^m$		$+76° 57'$		$17^h 53^m$		$+37° 15'$	
Jan. 1	17.59	21	70.93	347	58.121	166	19.32	310
11	17.80	40	67.46	329	58.287	212	16.22	295
21	18.20	57	64.17	296	58.499	251	13.27	267
31	18.77	70	61.21	254	58.750	283	10.60	231
Feb. 10	19.47	83	58.67	202	59.033	309	8.29	185
20	20.30	92	56.65	142	59.342	326	6.44	132
März 2	21.22	97	55.23	78	59.668	336	5.12	74
12	22.19	99	54.45	11	60.004	340	4.38	14
22	23.18	97	54.34	55	60.344	336	4.24	45
Apr. 1	24.15	93	54.89	119	60.680	325	4.69	103
11	25.08	85	56.08	177	61.005	310	5.72	154
21	25.93	74	57.85	228	61.315	287	7.26	201
Mai 1	26.67	62	60.13	269	61.602	259	9.27	238
11	27.29	47	62.82	303	61.861	227	11.65	268
21	27.76	32	65.85	325	62.088	189	14.33	289
31	28.08	16	69.10	339	62.277	147	17.22	300
Juni 10	28.24	1	72.49	341	62.424	103	20.22	304
19*)	[20] 28.23	18	75.90	336	[21] 62.527	56	23.26	298
29	28.05	34	79.26	320	62.583	8	26.24	284
Juli 9	27.71	50	82.46	298	62.591	40	29.08	265
19	27.21	63	85.44	269	62.551	85	31.73	240
29	26.58	76	88.13	233	62.466	130	34.13	208
Aug. 8	25.82	87	90.46	194	62.336	168	36.21	173
18	24.95	96	92.40	149	62.168	201	37.94	134
28	23.99	103	93.89	101	61.967	226	39.28	93
Sept. 7	22.96	107	94.90	51	61.741	243	40.21	49
17	21.89	108	95.41	0	61.498	249	40.70	5
27	20.81	108	95.41	53	61.249	246	40.75	41
Okt. 7	19.73	104	94.88	104	61.003	232	40.34	87
17	18.69	97	93.84	155	60.771	206	39.47	131
27	17.72	88	92.29	202	60.565	173	38.16	174
Nov. 6	16.84	76	90.27	247	60.392	131	36.42	213
16	16.08	62	87.80	285	60.261	82	34.29	248
26	15.46	46	84.95	316	60.179	29	31.81	277
Dez. 6	15.00	28	81.79	339	60.150	26	29.04	298
16	14.72	9	78.40	350	60.176	81	26.06	310
26	14.63	10	74.90	351	60.257	134	22.96	313
36	14.73		71.39		60.391		19.83	
Mittl. Ort	24.03		82.01		59.339		29.63	
sec δ, tg δ	4.436		+4.322		1.256		+0.761	
a, a'	—2.7		—0.7		+2.1		— 0.5	
b, b'	—0.01		+1.00		0.00		+ 1.00	

*) Bei Stern 671), 675) und 672) lies Juni 20

Tag	676) γ Draconis				673) ν Ophiuchi				677) 67 Ophiuchi				679) γ Sagittarii			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1934	$17^h 55^m$		+51° 29′		$17^h 55^m$		−9° 46′		$17^h 57^m$		+2° 55′		$18^h 1^m$		−30° 25′	
Jan. 1	$2^s.547$	165	34″.66	342	$22^s.894$	195	8″.96	89	$19^s.653$	181	51″.33	161	$33^s.303$	219	42″.60	38
11	2.712	224	31.24	325	23.089	228	9.85	90	19.834	215	49.72	156	33.522	258	42.22	30
21	2.936	279	27.99	295	23.317	255	10.75	86	20.049	242	48.16	144	33.780	289	41.92	23
31	3.215	324	25.04	253	23.572	277	11.61	76	20.291	264	46.72	127	34.069	314	41.69	17
Feb. 10	3.539	360	22.51	203	23.849	292	12.37	62	20.555	281	45.45	102	34.383	332	41.52	12
20	3.899	387	20.48	145	24.141	302	12.99	46	20.836	291	44.43	74	34.715	344	41.40	10
März 2	4.286	402	19.03	82	24.443	308	13.45	26	21.127	297	43.69	42	35.059	352	41.30	8
12	4.688	408	18.21	16	24.751	308	13.71	6	21.424	300	43.27	9	35.411	354	41.22	7
22	5.096	403	18.05	49	25.059	307	13.77	16	21.724	297	43.18	25	35.765	352	41.15	6
Apr. 1	5.499	390	18.54	112	25.366	300	13.61	35	22.021	291	43.43	58	36.117	347	41.09	5
11	5.889	367	19.66	169	25.666	290	13.26	53	22.312	281	44.01	86	36.464	336	41.04	3
21	6.256	335	21.35	219	25.956	277	12.73	69	22.593	267	44.87	111	36.800	322	41.01	1
Mai 1	6.591	297	23.54	262	26.233	259	12.04	79	22.860	249	45.98	132	37.122	303	41.02	5
11	6.888	251	26.16	295	26.492	237	11.25	87	23.109	227	47.30	146	37.425	279	41.07	10
21	7.139	200	29.11	318	26.729	210	10.38	91	23.336	200	48.76	157	37.704	249	41.17	16
31	7.339	146	32.29	331	26.939	180	9.47	91	23.536	170	50.33	160	37.953	214	41.33	24
Juni 10	7.485	87	35.60	335	27.119	145	8.56	88	23.706	136	51.93	159	38.167	175	41.57	31
20	7.572	27	38.95	330	27.264	108	7.68	83	23.842	99	53.52	154	38.342	133	41.88	37
29	[21] 7.599	33	42.25	316	[21] 27.372	67	6.85	75	[21] 23.941	59	55.06	145	[22] 38.475	86	42.25	41
Juli 9	7.566	93	45.41	294	27.439	26	6.10	67	24.000	18	56.51	133	38.561	39	42.66	45
19	7.473	149	48.35	267	27.465	14	5.43	58	24.018	21	57.84	119	38.600	9	43.11	46
29	7.324	202	51.02	232	27.451	55	4.85	49	23.997	60	59.03	102	38.591	54	43.57	43
Aug. 8	7.122	247	53.34	194	27.396	89	4.36	40	23.937	94	60.05	85	38.537	97	44.00	39
18	6.875	287	55.28	150	27.307	121	3.96	31	23.843	125	60.90	66	38.440	133	44.39	32
28	6.588	317	56.78	104	27.186	146	3.65	23	23.718	149	61.56	47	38.307	162	44.71	21
Sept. 7	6.271	337	57.82	55	27.040	160	3.42	14	23.569	164	62.03	28	38.145	181	44.92	10
17	5.934	344	58.37	5	26.880	168	3.28	7	23.405	170	62.31	7	37.964	190	45.02	4
27	5.590	340	58.42	47	26.712	164	3.21	0	23.235	168	62.38	12	37.774	187	44.98	17
Okt. 7	5.250	324	57.95	97	26.548	151	3.21	8	23.067	155	62.26	33	37.587	172	44.81	31
17	4.926	296	56.98	147	26.397	127	3.29	18	22.912	133	61.93	53	37.415	147	44.50	42
27	4.630	256	55.51	194	26.270	95	3.47	27	22.779	102	61.40	74	37.268	111	44.08	51
Nov. 6	4.374	206	53.57	239	26.175	56	3.74	38	22.677	64	60.66	94	37.157	67	43.57	58
16	4.168	148	51.18	276	26.119	13	4.12	49	22.613	22	59.72	113	37.090	17	42.99	61
26	4.020	83	48.42	309	26.106	35	4.61	61	22.591	23	58.59	130	37.073	36	42.38	60
Dez. 6	3.937	16	45.33	331	26.141	82	5.22	71	22.614	69	57.29	144	37.109	89	41.78	57
16	3.921	55	42.02	344	26.223	127	5.93	80	22.683	114	55.85	154	37.198	142	41.21	52
26	3.976	122	38.58	345	26.350	170	6.73	86	22.797	155	54.31	159	37.340	189	40.69	45
36	4.098		35.13		26.520		7.59		22.952		52.72		37.529		40.24	
Mittl. Ort	4.376		45.32		23.527		1.40		20.335		59.70		34.013		36.34	
sec δ, tg δ	1.606		+1.257		1.015		−0.172		1.001		+0.051		1.160		−0.587	
a, *a′*	+1.4		−0.4		+3.3		−0.4		+3.0		−0.2		+3.9		+0.1	
b, *b′*	0.00		+1.00		0.00		+1.00		0.00		+1.00		0.00		+1.00	

Tag	680) 72 Ophiuchi				681) o Herculis				682) μ Sagittarii				688) η Serpentis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1934	18h 4m		+9° 32′		18h 4m		+28° 44′		18h 9m		−21° 4′		18h 17m		−2° 55′	
Jan. 1	12.461 s	169	62.47 ″	194	57.023 s	156	58.41 ″	280	48.285 s	195	47.20 ″	15	52.977 s	165	10.58 ″	123
11	12.630	204	60.53	187	57.179	198	55.61	268	48.480	231	47.35	18	53.142	201	11.81	121
21	12.834	234	58.66	173	57.377	234	52.93	246	48.711	262	47.53	20	53.343	229	13.02	112
31	13.068	256	56.93	150	57.611	263	50.47	214	48.973	284	47.73	18	53.572	253	14.14	99
Feb. 10	13.324	275	55.43	122	57.874	285	48.33	174	49.257	303	47.91	14	53.825	271	15.13	80
20	13.599	288	54.21	88	58.159	303	46.59	126	49.560	316	48.05	8	54.096	285	15.93	56
März 2	13.887	295	53.33	51	58.462	312	45.33	74	49.876	323	48.13	0	54.381	294	16.49	31
12	14.182	299	52.82	11	58.774	318	44.59	20	50.199	327	48.13	9	54.675	300	16.80	3
22	14.481	297	52.71	30	59.092	316	44.39	36	50.526	327	48.04	18	54.975	300	16.83	25
Apr. 1	14.778	292	53.01	67	59.408	310	44.75	88	50.853	322	47.86	27	55.275	297	16.58	51
11	15.070	282	53.68	102	59.718	298	45.63	136	51.175	315	47.59	33	55.572	291	16.07	76
21	15.352	270	54.70	132	60.016	280	46.99	179	51.490	302	47.26	38	55.863	280	15.31	97
Mai 1	15.622	251	56.02	157	60.296	258	48.78	215	51.792	286	46.88	41	56.143	265	14.34	113
11	15.873	228	57.59	176	60.554	231	50.93	243	52.078	265	46.47	40	56.408	245	13.21	125
21	16.101	202	59.35	189	60.785	198	53.36	263	52.343	238	46.07	38	56.653	221	11.96	132
31	16.303	171	61.24	195	60.983	162	55.99	275	52.581	206	45.69	34	56.874	191	10.64	135
Juni 10	16.474	137	63.19	195	61.145	123	58.74	278	52.787	171	45.35	28	57.065	158	9.29	132
20	16.611	98	65.14	191	61.268	80	61.52	274	52.958	131	45.07	22	57.223	121	7.97	127
29	[23] 16.709	59	67.05	181	[23] 61.348	35	64.26	263	[25] 53.089	89	44.85	14	[27] 57.344	82	6.70	119
Juli 9	16.768	18	68.86	168	61.383	9	66.89	246	53.178	44	44.71	8	57.426	40	5.51	108
19	16.786	23	70.54	150	61.374	53	69.35	223	53.222	0	44.63	3	57.466	2	4.43	94
29	16.763	62	72.04	131	61.321	95	71.58	196	53.222	44	44.60	2	57.464	42	3.49	81
Aug. 8	16.701	97	73.35	110	61.226	133	73.54	165	53.178	82	44.62	4	57.422	80	2.68	67
18	16.604	128	74.45	86	61.093	165	75.19	130	53.096	118	44.66	5	57.342	112	2.01	51
28	16.476	153	75.31	62	60.928	191	76.49	94	52.978	146	44.71	3	57.230	139	1.50	37
Sept. 7	16.323	169	75.93	37	60.737	208	77.43	55	52.832	165	44.74	1	57.091	158	1.13	23
17	16.154	176	76.30	11	60.529	216	77.98	15	52.667	175	44.75	3	56.933	168	0.90	7
27	15.978	175	76.41	15	60.313	215	78.13	26	52.492	173	44.72	6	56.765	168	0.83	6
Okt. 7	15.803	164	76.26	41	60.098	203	77.87	66	52.319	162	44.66	10	56.597	158	0.89	21
17	15.639	142	75.85	68	59.895	181	77.21	107	52.157	138	44.56	13	56.439	139	1.10	36
27	15.497	113	75.17	93	59.714	151	76.14	146	52.919	108	44.43	15	56.300	111	1.46	51
Nov. 6	15.384	76	74.24	118	59.563	113	74.68	182	51.911	67	44.28	14	56.189	76	1.97	66
16	15.308	35	73.06	141	59.450	68	72.86	215	51.844	22	44.14	11	56.113	35	2.63	81
26	15.273	10	71.65	161	59.382	20	70.71	242	51.822	26	44.03	7	56.078	9	3.44	95
Dez. 6	15.283	56	70.04	177	59.362	29	68.29	264	51.848	75	43.96	2	56.087	54	4.39	107
16	15.339	101	68.27	188	59.391	80	65.65	277	51.923	124	43.94	4	56.141	98	5.46	115
26	15.440	144	66.39	193	59.471	127	62.88	281	52.047	167	43.98	10	56.239	140	6.61	120
36	15.584		64.46		59.598		60.07		52.214		44.08		56.379		7.81	
Mittl. Ort	13.202		71.00		58.050		67.69		48.937		40.27		53.643		2.90	
sec δ, tg δ	1.014		+0.168		1.141		+0.549		1.072		−0.385		1.001		−0.051	
a, *a′*	+2.8		+0.4		+2.3		+0.4		+3.6		+0.9		+3.1		+1.6	
b, *b′*	0.00		+1.00		0.00		+1.00		0.00		+1.00		0.00		+1.00	

Scheinbare Sternörter 1934

Tag	689) ε Sagittarii AR.		689) ε Sagittarii Dekl.		690) 109 Herculis AR.		690) 109 Herculis Dekl.		691) α Telescopii AR.		691) α Telescopii Dekl.		695) χ Draconis AR.		695) χ Draconis Dekl.	
1934	18h 19m		−34° 25′		18h 20m		+21° 43′		18h 22m		−46° 0′		18h 22m		+72° 41′	
Jan. 1	46.721	207	9.94	72	52.182	145	69.67	250	3.854	232	30.19	142	9.93	11	68.77	353
11	46.928	249	9.22	65	52.327	184	67.17	241	4.086	282	28.77	131	10.04	24	65.24	342
21	47.177	283	8.57	58	52.511	217	64.76	223	4.368	325	27.46	119	10.28	37	61.82	318
31	47.460	312	7.99	50	52.728	246	62.53	196	4.693	360	26.27	105	10.65	50	58.64	282
Feb. 10	47.772	333	7.49	44	52.974	269	60.57	160	5.053	386	25.22	90	11.15	59	55.82	235
20	48.105	350	7.05	38	53.243	286	58.97	119	5.439	408	24.32	73	11.74	67	53.47	180
März 2	48.455	361	6.67	33	53.529	298	57.78	73	5.847	421	23.59	57	12.41	73	51.67	117
12	48.816	366	6.34	28	53.827	305	57.05	24	6.268	429	23.02	41	13.14	76	50.50	51
22	49.182	368	6.06	23	54.132	307	56.81	27	6.697	431	22.61	24	13.90	78	49.99	16
Apr. 1	49.550	366	5.83	18	54.439	304	57.08	75	7.128	428	22.37	7	14.68	75	50.15	81
11	49.916	357	5.65	11	54.743	295	57.83	119	7.556	418	22.30	11	15.43	71	50.96	143
21	50.273	346	5.54	3	55.038	283	59.02	159	7.974	404	22.41	29	16.14	64	52.39	199
Mai 1	50.619	328	5.51	5	55.321	264	60.61	193	8.378	383	22.70	46	16.78	57	54.38	247
11	50.947	304	5.56	15	55.585	242	62.54	219	8.761	354	23.16	63	17.35	47	56.85	287
21	51.251	275	5.71	25	55.827	213	64.73	238	9.115	320	23.79	80	17.82	36	59.72	316
31	51.526	241	5.96	35	56.040	180	67.11	250	9.435	278	24.59	96	18.18	24	62.88	336
Juni 10	51.767	201	6.31	45	56.220	143	69.61	254	9.713	231	25.55	108	18.42	12	66.24	347
20	51.968	157	6.76	55	56.363	104	72.15	251	9.944	178	26.63	119	18.54	1	69.71	348
29	[27] 52.125	108	7.31	61	[27] 56.467	62	74.66	242	[28] 10.122	122	27.82	125	[28] 18.53	14	73.19	340
Juli 9	52.233	58	7.92	66	56.529	17	77.08	227	10.244	62	29.07	129	18.39	26	76.59	323
19	52.291	8	8.58	68	56.546	25	79.35	207	10.306	2	30.36	126	18.13	37	79.82	300
29	52.299	43	9.26	65	56.521	67	81.42	184	10.308	56	31.62	119	17.76	48	82.82	270
Aug. 8	52.256	88	9.91	61	56.454	105	83.26	156	10.252	110	32.81	107	17.28	58	85.52	233
18	52.168	129	10.52	52	56.349	139	84.82	126	10.142	158	33.88	91	16.70	65	87.85	192
28	52.039	162	11.04	41	56.210	165	86.08	94	9.984	197	34.79	69	16.05	72	89.77	146
Sept. 7	51.877	185	11.45	25	56.045	186	87.02	60	9.787	225	35.48	44	15.33	77	91.23	98
17	51.692	198	11.70	9	55.859	195	87.62	24	9.562	242	35.92	17	14.56	80	92.21	47
27	51.494	199	11.79	9	55.664	197	87.86	11	9.320	242	36.09	13	13.76	81	92.68	6
Okt. 7	51.295	188	11.70	27	55.467	188	87.75	47	9.078	230	35.96	42	12.95	78	92.62	59
17	51.107	164	11.43	43	55.279	169	87.28	83	8.848	204	35.54	70	12.17	75	92.03	113
27	50.943	131	11.00	58	55.110	142	86.45	118	8.644	165	34.84	96	11.42	69	90.90	164
Nov. 6	50.812	87	10.42	70	54.968	106	85.27	151	8.479	115	33.88	117	10.73	61	89.26	213
16	50.725	38	9.72	78	54.862	66	83.76	182	8.364	57	32.71	135	10.12	51	87.13	257
26	50.687	16	8.94	83	54.796	21	81.94	207	8.307	5	31.36	145	9.61	40	84.56	294
Dez. 6	50.703	71	8.11	84	54.775	25	79.87	229	8.312	70	29.91	152	9.21	27	81.62	324
16	50.774	124	7.27	82	54.800	72	77.58	242	8.382	134	28.39	152	8.94	12	78.38	345
26	50.898	175	6.45	77	54.872	117	75.16	248	8.516	194	26.87	149	8.82	1	74.93	352
36	51.073		5.68		54.989		72.68		8.710		25.38		8.83		71.41	
Mittl. Ort	47.465		3.39		53.101		77.84		4.788		24.00		14.90		76.77	
sec δ, tg δ	1.212		−0.685		1.077		+0.399		1.440		−1.036		3.364		+3.212	
a, *a'*	+4.0		+1.7		+2.5		+1.8		+4.5		+1.9		−1.2		+1.9	
b, *b'*	0.00		+1.00		0.00		+1.00		−0.01		+1.00		+0.02		+1.00	

Tag	694) *b* Draconis AR.		694) *b* Draconis Dekl.		699) α Lyrae AR.		699) α Lyrae Dekl.		698) ζ Pavonis AR.		698) ζ Pavonis Dekl.		703) 110 Herculis AR.		703) 110 Herculis Dekl.	
1934	$18^h 22^m$		$+58° 45'$		$18^h 34^m$		$+38° 42'$		$18^h 35^m$		$-71° 29'$		$18^h 42^m$		$+20° 28'$	
	s		"		s		"		s		"		s		"	
Jan. 1	54.324	116	34.93	351	40.860	117	68.99	308	17.36	36	22.85	277	48.324	123	47.62	239
11	54.440	192	31.42	338	40.977	166	65.91	301	17.72	48	20.08	262	48.447	162	45.23	233
21	54.632	263	28.04	314	41.143	210	62.90	280	18.20	59	17.46	243	48.609	197	42.90	217
31	54.895	326	24.90	278	41.353	248	60.10	248	18.79	68	15.03	216	48.806	226	40.73	193
Feb. 10	55.221	380	22.12	231	41.601	281	57.62	209	19.47	75	12.87	186	49.032	253	38.80	162
20	55.601	421	19.81	175	41.882	307	55.53	159	20.22	80	11.01	152	49.285	272	37.18	122
März 2	56.022	451	18.06	114	42.189	327	53.94	104	21.02	85	9.49	116	49.557	288	35.96	77
12	56.473	467	16.92	47	42.516	338	52.90	45	21.87	87	8.33	79	49.845	299	35.19	30
22	56.940	472	16.45	20	42.854	344	52.45	15	22.74	89	7.54	39	50.144	304	34.89	18
Apr. 1	57.412	463	16.65	85	43.198	343	52.60	75	23.63	87	7.15	1	50.448	305	35.07	66
11	57.875	443	17.50	146	43.541	333	53.35	130	24.50	86	7.14	37	50.753	301	35.73	111
21	58.318	411	18.96	202	43.874	319	54.65	180	25.36	83	7.51	75	51.054	292	36.84	151
Mai 1	58.729	369	20.98	249	44.193	296	56.45	225	26.19	78	8.26	110	51.346	277	38.35	185
11	59.098	318	23.47	288	44.489	268	58.70	259	26.97	71	9.36	144	51.623	256	40.20	213
21	59.416	260	26.35	318	44.757	233	61.29	287	27.68	63	10.80	174	51.879	231	42.33	234
31	59.676	194	29.53	337	44.990	194	64.16	305	28.31	54	12.54	199	52.110	201	44.67	246
Juni 10	59.870	124	32.90	347	45.184	149	67.21	315	28.85	44	14.53	221	52.311	165	47.13	253
20	[28] 59.994	52	36.37	348	45.333	102	70.36	315	29.29	33	16.74	236	52.476	126	49.66	252
29*)	60.046	21	39.85	340	[1] 45.435	52	73.51	309	[1] 29.62	21	19.10	244	52.602	83	52.18	244
Juli 9	60.025	94	43.25	323	45.487	1	76.60	293	29.83	7	21.54	245	[3] 52.685	40	54.62	231
19	59.931	163	46.48	299	45.488	49	79.53	273	29.90	5	23.99	239	52.725	4	56.93	213
29	59.768	230	49.47	268	45.439	97	82.26	246	29.85	17	26.38	224	52.721	47	59.06	191
Aug. 8	59.538	288	52.15	232	45.342	142	84.72	214	29.68	28	28.62	201	52.674	87	60.97	165
18	59.250	340	54.47	191	45.200	181	86.86	178	29.40	39	30.63	169	52.587	124	62.62	137
28	58.910	380	56.38	145	45.019	213	88.64	137	29.01	48	32.32	136	52.463	153	63.99	105
Sept. 7	58.530	409	57.83	97	44.806	236	90.01	96	28.53	53	33.68	91	52.310	176	65.04	73
17	58.121	426	58.80	45	44.570	252	90.97	51	28.00	58	34.59	43	52.134	189	65.77	39
27	57.695	429	59.25	7	44.318	255	91.48	4	27.42	59	35.02	7	51.945	194	66.16	5
Okt. 7	57.266	419	59.18	60	44.063	248	91.52	42	26.83	57	34.95	59	51.751	188	66.21	31
17	56.847	394	58.58	113	43.815	231	91.10	89	26.26	53	34.36	108	51.563	174	65.90	66
27	56.453	356	57.45	164	43.584	204	90.21	134	25.73	46	33.28	156	51.389	150	65.24	100
Nov. 6	56.097	304	55.81	212	43.380	167	88.87	177	25.27	37	31.72	197	51.239	118	64.24	133
16	55.793	244	53.69	256	43.213	125	87.10	217	24.90	25	29.75	231	51.121	80	62.91	164
26	55.549	174	51.13	293	43.088	76	84.93	251	24.65	13	27.44	258	51.041	39	61.27	190
Dez. 6	55.375	96	48.20	322	43.012	23	82.42	279	24.52	1	24.86	276	51.002	7	59.37	213
16	55.279	17	44.98	342	42.989	30	79.63	297	24.53	15	22.10	283	51.009	51	57.24	228
26	55.262	65	41.56	349	43.019	84	76.66	307	24.68	28	19.27	283	51.060	95	54.96	236
36	55.327		38.07		43.103		73.59		24.96		16.44		51.155		52.60	
Mittl. Ort	56.822		43.05		42.216		76.26		19.90		16.72		49.239		54.59	
sec δ, tg δ	1.928		+1.649		1.282		+0.802		3.150		−2.987		1.067		+0.374	
a, *a'*	+0.9		+2.0		+2.0		+3.0		+7.0		+3.1		+2.6		+3.7	
b, *b'*	+0.01		+0.99		+0.01		+0.99		−0.03		+0.99		0.00		+0.98	

*) Bei Stern 699), 698) und 703) lies Juni 30

Tag	704) λ Pavonis AR.		704) λ Pavonis Dekl.		705) β Lyrae AR.		705) β Lyrae Dekl.		707) ο Draconis AR.		707) ο Draconis Dekl.		706) σ Sagittarii AR.		706) σ Sagittarii Dekl.	
1934	$18^h 46^m$		$-62° 15'$		$18^h 47^m$		$+33° 16'$		$18^h 50^m$		$+59° 18'$		$18^h 51^m$		$-26° 22'$	
Jan. 1	4.83	25	63.58	241	37.375	106	59.69	289	11.100	65	20.57	346	9.746	159	57.18	36
11	5.08	34	61.17	231	37.481	152	56.80	282	11.165	144	17.11	342	9.905	199	56.82	35
21	5.42	41	58.86	217	37.633	192	53.98	266	11.309	219	13.69	324	10.104	232	56.47	34
31	5.83	46	56.69	197	37.825	229	51.32	238	11.528	288	10.45	293	10.336	262	56.13	35
Feb. 10	6.29	52	54.72	173	38.054	260	48.94	201	11.816	348	7.52	252	10.598	286	55.78	36
20	6.81	56	52.99	147	38.314	286	46.93	155	12.164	398	5.00	200	10.884	306	55.42	40
März 2	7.37	58	51.52	119	38.600	305	45.38	105	12.562	437	3.00	142	11.190	320	55.02	44
12	7.95	61	50.33	89	38.905	319	44.33	48	12.999	464	1.58	78	11.510	330	54.58	48
22	8.56	61	49.44	57	39.224	326	43.85	8	13.463	476	0.80	12	11.840	338	54.10	51
Apr. 1	9.17	62	48.87	26	39.550	328	43.93	64	13.939	478	0.68	55	12.178	341	53.59	54
11	9.79	61	48.61	6	39.878	323	44.57	118	14.417	466	1.23	117	12.519	338	53.05	55
21	10.40	59	48.67	39	40.201	312	45.75	167	14.883	442	2.40	176	12.857	333	52.50	54
Mai 1	10.99	57	49.06	71	40.513	294	47.42	209	15.325	406	4.16	228	13.190	321	51.96	51
11	11.56	53	49.77	100	40.807	271	49.51	244	15.731	360	6.44	271	13.511	304	51.45	44
21	12.09	47	50.77	128	41.078	240	51.95	271	16.091	306	9.15	306	13.815	280	51.01	37
31	12.56	41	52.05	153	41.318	205	54.66	289	16.397	242	12.21	332	14.095	252	50.64	27
Juni 10	12.97	35	53.58	174	41.523	166	57.55	299	16.639	174	15.53	347	14.347	217	50.37	16
20	13.32	25	55.32	190	41.689	121	60.54	302	16.813	102	19.00	354	14.564	178	50.21	5
30	13.57	21	57.22	202	41.810	74	63.56	295	16.915	26	22.54	350	14.742	133	50.16	6
Juli 9	4 13.78	11	59.24	207	4 41.884	26	66.51	283	5 16.941	49	26.04	340	5 14.875	86	50.22	16
19	13.89	1	61.31	205	41.910	22	69.34	264	16.892	123	29.44	321	14.961	39	50.38	24
29	13.90	8	63.36	196	41.888	70	71.98	239	16.769	193	32.65	294	15.000	10	50.62	30
Aug. 8	13.82	16	65.32	179	41.818	112	74.37	210	16.576	258	35.59	262	14.990	55	50.92	35
18	13.66	23	67.11	157	41.706	152	76.47	176	16.318	314	38.21	224	14.935	97	51.27	34
28	13.43	29	68.68	127	41.554	184	78.23	140	16.004	362	40.45	182	14.838	131	51.61	32
Sept. 7	13.14	35	69.95	91	41.370	210	79.63	100	15.642	399	42.27	135	14.707	159	51.93	27
17	12.79	37	70.86	51	41.160	224	80.63	58	15.243	423	43.62	85	14.548	176	52.20	20
27	12.42	39	71.37	8	40.936	231	81.21	16	14.820	433	44.47	34	14.372	182	52.40	11
Okt. 7	12.03	37	71.45	36	40.705	226	81.37	29	14.387	431	44.81	20	14.190	177	52.51	1
17	11.66	35	71.09	81	40.479	212	81.08	72	13.956	413	44.61	74	14.013	162	52.52	10
27	11.31	31	70.28	122	40.267	188	80.36	115	13.543	383	43.87	127	13.851	135	52.42	19
Nov. 6	11.00	24	69.06	160	40.079	155	79.21	157	13.160	338	42.60	178	13.716	101	52.23	26
16	10.76	16	67.46	191	39.924	116	77.64	194	12.822	283	40.82	226	13.615	59	51.97	33
26	10.60	8	65.55	217	39.808	71	75.70	228	12.539	218	38.56	267	13.556	13	51.64	36
Dez. 6	10.52	2	63.38	233	39.737	24	73.42	255	12.321	145	35.89	302	13.543	35	51.28	38
16	10.54	11	61.05	243	39.713	27	70.87	276	12.176	66	32.87	327	13.578	83	50.90	39
26	10.65	20	58.62	244	39.740	75	68.11	285	12.110	14	29.60	341	13.661	129	50.51	38
36	10.85		56.18		39.815		65.26		12.124		26.19		13.790		50.13	
Mittl. Ort	6.36		56.62		38.575		66.08		13.733		25.96		10.398		49.82	
sec δ, tg δ	2.149		−1.902		1.196		+0.657		1.959		+1.685		1.116		−0.496	
a, *a′*	+5.6		+4.0		+2.2		+4.1		+0.9		+4.4		+3.7		+4.4	
b, *b′*	−0.03		+0.98		+0.01		+0.98		+0.02		+0.98		−0.01		+0.98	

Tag	709) ϑ Serpentis pr. AR.		Dekl.		708) λ Telescopii AR.		Dekl.		711) *R* Lyrae AR.		Dekl.		713) γ Lyrae AR.		Dekl.	
1934	18h 52m		+4° 6′		18h 53m		−53° 1′		18h 53m		+43° 51′		18h 56m		+32° 35′	
Jan. 1	55.586	127	51.56	150	10.077	206	43.83	196	18.052	87	23.80	319	27.261	97	46.70	284
11	55.713	163	50.06	146	10.283	267	41.87	191	18.139	141	20.61	314	27.358	142	43.86	279
21	55.876	195	48.60	137	10.550	321	39.96	180	18.280	192	17.47	297	27.500	183	41.07	264
31	56.071	222	47.23	120	10.871	366	38.16	166	18.472	236	14.50	268	27.683	220	38.43	237
Feb. 10	56.293	245	46.03	98	11.237	405	36.50	150	18.708	276	11.82	230	27.903	252	36.06	202
20	56.538	264	45.05	69	11.642	436	35.00	131	18.984	308	9.52	181	28.155	278	34.04	159
März 2	56.802	278	44.36	39	12.078	459	33.69	111	19.292	334	7.71	126	28.433	299	32.45	107
12	57.080	289	43.97	5	12.537	476	32.58	89	19.626	352	6.45	66	28.732	314	31.38	53
22	57.369	296	43.92	30	13.013	486	31.69	66	19.978	362	5.79	3	29.046	324	30.85	3
Apr. 1	57.665	299	44.22	64	13.499	489	31.03	43	20.340	364	5.76	57	29.370	326	30.88	58
11	57.964	298	44.86	95	13.988	486	30.60	17	20.704	359	6.33	117	29.696	324	31.46	113
21	58.262	292	45.81	122	14.474	475	30.43	8	21.063	346	7.50	171	30.020	315	32.59	161
Mai 1	58.554	280	47.03	146	14.949	455	30.51	33	21.409	324	9.21	219	30.335	298	34.20	204
11	58.834	264	48.49	162	15.404	429	30.84	59	21.733	295	11.40	258	30.633	277	36.24	239
21	59.098	243	50.11	175	15.833	393	31.43	83	22.028	260	13.98	291	30.910	247	38.63	268
31	59.341	216	51.86	181	16.226	349	32.26	106	22.288	218	16.89	312	31.157	214	41.31	286
Juni 10	59.557	184	53.67	182	16.575	298	33.32	125	22.506	171	20.01	327	31.371	175	44.17	298
20	59.741	147	55.49	178	16.873	240	34.57	142	22.677	120	23.28	331	31.546	131	47.15	301
30	59.888	109	57.27	169	6 17.113	174	35.99	155	6 22.797	66	26.59	327	31.677	85	50.16	296
Juli 9	5 59.997	66	58.96	158	17.287	107	37.54	162	22.863	12	29.86	317	6 31.762	37	53.12	284
19	60.063	23	60.54	143	17.394	37	39.16	165	22.875	44	33.03	297	31.799	12	55.96	267
29	60.086	19	61.97	125	17.431	33	40.81	160	22.831	97	36.00	272	31.787	59	58.63	243
Aug. 8	60.067	59	63.22	106	17.398	99	42.41	150	22.734	146	38.72	241	31.728	103	61.06	214
18	60.008	95	64.28	86	17.299	160	43.91	134	22.588	190	41.13	205	31.625	143	63.20	182
28	59.913	126	65.14	66	17.139	210	45.25	111	22.398	226	43.18	166	31.482	176	65.02	146
Sept. 7	59.787	149	65.80	45	16.929	250	46.36	83	22.172	255	44.84	122	31.306	203	66.48	107
17	59.638	164	66.25	24	16.679	277	47.19	51	21.917	274	46.06	76	31.103	219	67.55	66
27	59.474	170	66.49	2	16.402	288	47.70	17	21.643	282	46.82	29	30.884	227	68.21	24
Okt. 7	59.304	166	66.51	18	16.114	283	47.87	21	21.361	279	47.11	21	30.657	224	68.45	20
17	59.138	153	66.33	40	15.831	261	47.66	57	21.082	264	46.90	70	30.433	211	68.25	63
27	58.985	131	65.93	60	15.570	227	47.09	91	20.818	241	46.20	119	30.222	189	67.62	106
Nov. 6	58.854	100	65.33	81	15.343	176	46.18	123	20.577	206	45.01	166	30.033	158	66.56	147
16	58.754	64	64.52	99	15.167	118	44.95	150	20.371	163	43.35	208	29.875	120	65.09	186
26	58.690	25	63.53	117	15.049	51	43.45	172	20.208	115	41.27	248	29.755	77	63.23	219
Dez. 6	58.665	18	62.36	131	14.998	20	41.73	187	20.093	61	38.79	278	29.678	30	61.04	248
16	58.683	59	61.05	141	15.018	92	39.86	196	20.032	6	36.01	302	29.648	18	58.56	268
26	58.742	101	59.64	148	15.110	161	37.90	198	20.026	52	32.99	314	29.666	66	55.88	280
36	58.843		58.16		15.271		35.92		20.078		29.85		29.732		53.08	
Mittl. Ort	56.300		58.42		11.146		36.41		19.633		29.41		28.448		52.46	
sec δ, tg δ	1.003		+0.072		1.663		−1.328		1.387		+0.961		1.187		+0.640	
a, *a′*	+3.0		+4.6		+4.8		+4.6		+4.8		+4.6		+2.2		+4.9	
b, *b′*	0.00		+0.97		−0.02		+0.97		+0.01		+0.97		+0.01		+0.97	

Tag	716) ζ Aquilae AR.		716) ζ Aquilae Dekl.		717) λ Aquilae AR.		717) λ Aquilae Dekl.		718) α Coron. austr. AR.		718) α Coron. austr. Dekl.		720) π Sagittarii AR.		720) π Sagittarii Dekl.	
1934	$19^h\ 2^m$		$+13°45'$		$19^h\ 2^m$		$-4°58'$		$19^h\ 4^m$		$-38°0'$		$19^h\ 5^m$		$-21°7'$	
	s		"		s		"		s		"		s		"	
Jan. 1	21.752	109	44.13	199	44.142	125	65.54	94	58.275	158	40.92	113	49.754	137	55.98	8
11	21.861	147	42.14	196	44.267	161	66.48	91	58.433	204	39.79	112	49.891	175	55.90	8
21	22.008	181	40.18	184	44.428	193	67.39	84	58.637	245	38.67	109	50.066	210	55.82	12
31	22.189	210	38.34	164	44.621	220	68.23	72	58.882	280	37.58	105	50.276	238	55.70	16
Feb. 10	22.399	236	36.70	137	44.841	244	68.95	56	59.162	309	36.53	99	50.514	263	55.54	23
20	22.635	257	35.33	104	45.085	263	69.51	34	59.471	333	35.54	94	50.777	283	55.31	30
März 2	22.892	275	34.29	65	45.348	279	69.85	11	59.804	353	34.60	88	51.060	300	55.01	40
12	23.167	287	33.64	23	45.627	290	69.96	14	60.157	367	33.72	81	51.360	313	54.61	49
22	23.454	297	33.41	19	45.917	299	69.82	40	60.524	377	32.91	73	51.673	321	54.12	59
Apr. 1	23.751	301	33.60	62	46.216	303	69.42	65	60.901	383	32.18	63	51.994	327	53.53	6[illegible]
11	24.052	300	34.22	102	46.519	304	68.77	88	61.284	383	31.55	52	52.321	327	52.86	74
21	24.352	295	35.24	138	46.823	300	67.89	107	61.667	378	31.03	40	52.648	325	52.12	76
Mai 1	24.647	284	36.62	168	47.123	290	66.82	123	62.045	367	30.63	26	52.973	315	51.36	78
11	24.931	268	38.30	193	47.413	276	65.59	133	62.412	350	30.37	10	53.288	300	50.58	75
21	25.199	246	40.23	212	47.689	256	64.26	139	62.762	325	30.27	7	53.588	281	49.83	71
31	25.445	219	42.35	223	47.945	230	62.87	142	63.087	293	30.34	23	53.869	253	49.12	63
Juni 10	25.664	186	44.58	228	48.175	200	61.45	138	63.380	255	30.57	40	54.122	222	48.49	53
20	25.850	149	46.86	228	48.375	164	60.07	132	63.635	212	30.97	56	54.344	184	47.96	42
30	25.999	109	49.14	220	[8] 48.539	124	58.75	123	63.847	162	31.53	69	54.528	142	47.54	30
Juli 9	[8] 26.108	66	51.34	209	48.663	83	57.52	111	[9] 64.009	109	32.22	81	[9] 54.670	97	47.24	18
19	26.174	22	53.43	193	48.746	39	56.41	97	64.118	55	33.03	88	54.767	50	47.06	6
29	26.196	21	55.36	173	48.785	5	55.44	82	64.173	1	33.91	91	54.817	4	47.00	3
Aug. 8	26.175	62	57.09	150	48.780	46	54.62	67	64.172	53	34.82	92	54.821	41	47.03	10
18	26.113	99	58.59	126	48.734	84	53.95	52	64.119	101	35.74	85	54.780	83	47.13	16
28	26.014	131	59.85	99	48.650	116	53.43	38	64.018	143	36.59	76	54.697	118	47.29	19
Sept. 7	25.883	156	60.84	71	48.534	141	53.05	23	63.875	176	37.35	62	54.579	145	47.48	20
17	25.727	172	61.55	42	48.393	158	52.82	10	63.699	198	37.97	45	54.434	165	47.68	18
27	25.555	180	61.97	12	48.235	165	52.72	2	63.501	210	38.42	24	54.269	173	47.86	15
Okt. 7	25.375	177	62.09	17	48.070	163	52.74	15	63.291	207	38.66	2	54.096	171	48.01	10
17	25.198	166	61.92	46	47.907	151	52.89	26	63.084	192	38.68	21	53.925	159	48.11	5
27	25.032	145	61.46	75	47.756	129	53.15	39	62.892	166	38.47	43	53.766	137	48.16	0
Nov. 6	24.887	116	60.71	104	47.627	101	53.54	50	62.726	130	38.04	62	53.629	105	48.16	4
16	24.771	82	59.67	130	47.526	64	54.04	61	62.596	85	37.42	80	53.524	67	48.12	6
26	24.689	44	58.37	154	47.462	26	54.65	72	62.511	35	36.62	94	53.457	25	48.06	8
Dez. 6	24.645	1	56.83	173	47.436	16	55.37	81	62.476	18	35.68	103	53.432	20	47.98	9
16	24.644	41	55.10	188	47.452	58	56.18	88	62.494	72	34.65	111	53.452	65	47.89	9
26	24.685	82	53.22	197	47.510	99	57.06	92	62.566	124	33.54	114	53.517	109	47.80	9
36	24.767		51.25		47.609		57.98		62.690		32.40		53.626		47.71	
Mittl. Ort	22.569		50.29		44.790		58.65		58.998		33.13		50.370		48.58	
sec δ, tg δ	1.030		+0.245		1.004		—0.087		1.269		—0.782		1.072		—0.386	
a, *a'*	+2.8		+5.4		+3.2		+5.4		+4.1		+5.6		+3.6		+5.7	
b, *b'*	0.00		+0.96		0.00		+0.96		—0.01		+0.96		—0.01		+0.96	

Tag	723) δ Draconis AR.		723) δ Draconis Dekl.		724) ϑ Lyrae AR.		724) ϑ Lyrae Dekl.		725) ω Aquilae AR.		725) ω Aquilae Dekl.		726) ϰ Cygni AR.		726) ϰ Cygni Dekl.	
1934	19h 12m		+67° 32′		19h 14m		+38° 0′		19h 14m		+11° 28′		19h 15m		+53° 14′	
Jan. 1	28.85	2	40.62	344	3.233	70	50.35	297	42.318	99	24.52	184	32.569	37	42.30	331
11	28.83	9	37.18	344	3.303	118	47.38	295	42.417	136	22.68	180	32.606	104	38.99	331
21	28.92	20	33.74	334	3.421	164	44.43	282	42.553	170	20.88	170	32.710	168	35.68	320
31	29.12	30	30.40	309	3.585	206	41.61	258	42.723	200	19.18	152	32.878	227	32.48	295
Feb. 10	29.42	39	27.31	274	3.791	243	39.03	224	42.923	227	17.66	127	33.105	282	29.53	260
20	29.81	46	24.57	226	4.034	275	36.79	181	43.150	249	16.39	96	33.387	327	26.93	212
März 2	30.27	53	22.31	171	4.309	301	34.98	129	43.399	267	15.43	59	33.714	365	24.81	159
12	30.80	58	20.60	109	4.610	322	33.69	74	43.666	282	14.84	20	34.079	395	23.22	97
22	31.38	60	19.51	43	4.932	335	32.95	15	43.948	293	14.64	21	34.474	413	22.25	34
Apr. 1	31.98	62	19.08	23	5.267	343	32.80	44	44.241	299	14.85	61	34.887	422	21.91	31
11	32.60	60	19.31	88	5.610	342	33.24	100	44.540	301	15.46	99	35.309	420	22.22	94
21	33.20	58	20.19	149	5.952	336	34.24	154	44.841	299	16.45	134	35.729	408	23.16	152
Mai 1	33.78	54	21.68	204	6.288	320	35.78	201	45.140	289	17.79	163	36.137	385	24.68	207
11	34.32	48	23.72	253	6.608	299	37.79	240	45.429	275	19.42	187	36.522	353	26.75	252
21	34.80	41	26.25	292	6.907	270	40.19	273	45.704	255	21.29	205	36.875	312	29.27	290
31	35.21	33	29.17	324	7.177	235	42.92	297	45.959	229	23.34	216	37.187	263	32.17	319
Juni 10	35.54	24	32.41	345	7.412	194	45.89	312	46.188	197	25.50	221	37.450	208	35.36	339
20	35.78	15	35.86	357	7.606	149	49.01	319	46.385	163	27.71	220	37.658	148	38.75	349
30	35.93	5	39.43	360	7.755	99	52.20	318	46.548	122	29.91	213	37.806	84	42.24	351
Juli 10	35.98	6	43.03	354	7.854	48	55.38	309	46.670	80	32.04	202	37.890	18	45.75	344
19	35.92	15	46.57	340	7.902	4	58.47	293	46.750	36	34.06	187	37.908	48	49.19	330
29	35.77	25	49.97	319	7.898	54	61.40	270	46.786	8	35.93	168	37.860	111	52.49	307
Aug. 8	35.52	33	53.16	291	7.844	102	64.10	244	46.778	49	37.61	146	37.749	171	55.56	279
18	35.19	42	56.07	257	7.742	147	66.54	210	46.729	88	39.07	122	37.578	225	58.35	245
28	34.77	48	58.64	217	7.595	183	68.64	174	46.641	121	40.29	98	37.353	271	60.80	206
Sept. 7	34.29	53	60.81	172	7.412	213	70.38	135	46.520	147	41.27	71	37.082	309	62.86	162
17	33.76	57	62.53	124	7.199	234	71.73	91	46.373	165	41.98	44	36.773	334	64.48	114
27	33.19	60	63.77	73	6.965	246	72.64	47	46.208	174	42.42	17	36.439	350	65.62	65
Okt. 7	32.59	60	64.50	20	6.719	246	73.11	1	46.034	174	42.59	11	36.089	353	66.27	13
17	31.99	58	64.70	36	6.473	236	73.12	46	45.860	164	42.48	38	35.736	344	66.40	39
27	31.41	56	64.34	91	6.237	217	72.66	92	45.696	145	42.10	65	35.392	321	66.01	93
Nov. 6	30.85	52	63.43	145	6.020	188	71.74	138	45.551	119	41.45	92	35.071	289	65.08	145
16	30.33	45	61.98	196	5.832	152	70.36	180	45.432	87	40.53	117	34.782	245	63.63	193
26	29.88	37	60.02	242	5.680	109	68.56	218	45.345	49	39.36	138	34.537	194	61.70	237
Dez. 6	29.51	29	57.60	283	5.571	63	66.38	250	45.296	9	37.98	157	34.343	134	59.33	274
16	29.22	18	54.77	314	5.508	13	63.88	275	45.287	32	36.41	172	34.209	71	56.59	305
26	29.04	9	51.63	334	5.495	37	61.13	290	45.319	73	34.69	180	34.138	5	53.54	323
36	28.95		48.29		5.532		58.23		45.392		32.89		34.133		50.31	
Mittl. Ort	32.70		43.34		4.592		54.48		43.099		30.23		34.702		45.43	
sec δ, tg δ	2.618		+2.420		1.269		+0.782		1.020		+0.203		1.671		+1.339	
a, a′	0.0		+6.2		+2.1		+6.4		+2.8		+6.4		+1.4		+6.5	
b, b′	+0.05		+0.95		+0.02		+0.95		0.00		+0.95		+0.03		+0.95	

Scheinbare Sternörter 1934

Tag	729) τ Draconis AR.		729) τ Draconis Dekl.		728) α Sagittarii AR.		728) α Sagittarii Dekl.		730) δ Aquilae AR.		730) δ Aquilae Dekl.		733) ι Cygni AR.		733) ι Cygni Dekl.	
1934	19h 16m		+73° 13′		19h 19m		−40° 44′		19h 22m		+2° 58′		19h 28m		+51° 34′	
Jan. 1	44.62	8	58.57	339	18.232	143	38.87	133	9.556	99	48.48	134	0.533	24	76.12	324
11	44.54	7	55.18	344	18.375	192	37.54	135	9.655	136	47.14	132	0.557	87	72.88	326
21	44.61	21	51.74	334	18.567	234	36.19	133	9.791	169	45.82	122	0.644	148	69.62	318
31	44.82	34	48.40	312	18.801	273	34.86	129	9.960	198	44.60	108	0.792	206	66.44	296
Feb. 10	45.16	47	45.28	278	19.074	305	33.57	124	10.158	224	43.52	87	0.998	258	63.48	262
20	45.63	58	42.50	232	19.379	332	32.33	118	10.382	246	42.65	62	1.256	306	60.86	219
März 2	46.21	67	40.18	179	19.711	355	31.15	111	10.628	264	42.03	31	1.562	344	58.67	166
12	46.88	73	38.39	117	20.066	373	30.04	101	10.892	279	41.72	0	1.906	375	57.01	107
22	47.61	77	37.22	53	20.439	386	29.03	91	11.171	291	41.72	34	2.281	397	55.94	44
Apr. 1	48.38	79	36.69	13	20.825	394	28.12	79	11.462	299	42.06	66	2.678	409	55.50	19
11	49.17	77	36.82	79	21.219	397	27.33	65	11.761	302	42.72	97	3.087	410	55.69	82
21	49.94	75	37.61	139	21.616	395	26.68	50	12.063	300	43.69	124	3.497	403	56.51	142
Mai 1	50.69	68	39.00	196	22.011	386	26.18	33	12.363	294	44.93	146	3.900	384	57.93	196
11	51.37	61	40.96	244	22.397	369	25.85	14	12.657	281	46.39	165	4.284	356	59.89	242
21	51.98	52	43.40	286	22.766	346	25.71	6	12.938	263	48.04	176	4.640	320	62.31	283
31	52.50	40	46.26	317	23.112	316	25.77	25	13.201	239	49.80	183	4.960	275	65.14	312
Juni 10	52.90	29	49.43	341	23.428	277	26.02	45	13.440	210	51.63	184	5.235	224	68.26	335
20	53.19	16	52.84	354	23.705	233	26.47	64	13.650	174	53.47	181	5.459	165	71.61	347
30	53.35	3	56.38	359	23.938	183	27.11	79	13.824	136	55.28	173	5.624	106	75.08	350
Juli 10	53.38	10	59.97	355	24.121	128	27.90	93	13.960	95	57.01	160	5.730	41	78.58	346
19	53.28	22	63.52	343	24.249	71	28.83	102	14.055	51	58.61	146	5.771	22	82.04	333
29	53.06	35	66.95	323	24.320	14	29.85	108	14.106	7	60.07	129	5.749	85	85.37	314
Aug. 8	52.71	47	70.18	296	24.334	42	30.93	107	14.113	35	61.36	110	5.664	143	88.51	286
18	52.24	56	73.14	263	24.292	94	32.00	103	14.078	74	62.46	90	5.521	198	91.37	255
28	51.68	65	75.77	225	24.198	140	33.03	93	14.004	108	63.36	70	5.323	245	93.92	216
Sept. 7	51.03	73	78.02	182	24.058	175	33.96	79	13.896	135	64.06	49	5.078	283	96.08	175
17	50.30	77	79.84	134	23.883	203	34.75	59	13.761	154	64.55	29	4.795	312	97.83	128
27	49.53	81	81.18	84	23.680	216	35.34	37	13.607	164	64.84	9	4.483	328	99.11	80
Okt. 7	48.72	82	82.02	31	23.464	218	35.71	12	13.443	165	64.93	11	4.155	334	99.91	29
17	47.90	81	82.33	24	23.246	206	35.83	13	13.278	156	64.82	30	3.821	328	100.20	24
27	47.09	77	82.09	80	23.040	183	35.70	39	13.122	139	64.52	50	3.493	309	99.96	77
Nov. 6	46.32	72	81.29	134	22.857	147	35.31	63	12.983	113	64.02	68	3.184	280	99.19	128
16	45.60	65	79.95	185	22.710	104	34.68	84	12.870	81	63.34	86	2.904	242	97.91	178
26	44.95	54	78.10	233	22.606	54	33.84	102	12.789	45	62.48	102	2.662	193	96.13	222
Dez. 6	44.41	44	75.77	275	22.552	1	32.82	117	12.744	5	61.46	115	2.469	138	93.91	262
16	43.97	30	73.02	307	22.551	54	31.65	127	12.739	34	60.31	126	2.331	80	91.29	293
26	43.67	17	69.95	330	22.605	108	30.38	132	12.773	74	59.05	131	2.251	16	88.36	314
36	43.50		66.65		22.713		29.06		12.847		57.74		2.235		85.22	
Mittl. Ort	50.00		60.58		18.957		30.61		10.241		54.45		2.550		78.13	
sec δ, tg δ	3.467		+3.319		1.320		−0.861		1.001		+0.052		1.610		+1.261	
a, a′	−1.1		+6.6		+4.2		+6.8		+3.0		+7.0		+1.5		+7.5	
b, b′	+0.07		+0.94		−0.02		+0.94		0.00		+0.94		+0.03		+0.93	

Tag	732) β Cygni AR.		732) β Cygni Dekl.	
1934	$19^h 28^m$		$+27° 48'$	
Jan. 1	$2^s.489$	68	$67''.77$	255
11	2.557	110	65.22	254
21	2.667	150	62.68	245
31	2.817	187	60.23	223
Feb. 10	3.004	219	58.00	195
20	3.223	247	56.05	156
März 2	3.470	272	54.49	111
12	3.742	292	53.38	62
22	4.034	307	52.76	9
Apr. 1	4.341	316	52.67	43
11	4.657	319	53.10	95
21	4.976	317	54.05	142
Mai 1	5.293	308	55.47	184
11	5.601	291	57.31	220
21	5.892	270	59.51	248
31	6.162	241	61.99	270
Juni 10	6.403	206	64.69	283
20	6.609	167	67.52	289
30	6.776	123	70.41	287
Juli 10	6.899	77	73.28	278
19	[14] 6.976	30	76.06	264
29	7.006	18	78.70	245
Aug. 8	6.988	63	81.15	219
18	6.925	104	83.34	190
28	6.821	140	85.24	158
Sept. 7	6.681	171	86.82	123
17	6.510	191	88.05	86
27	6.319	204	88.91	48
Okt. 7	6.115	206	89.39	7
17	5.909	198	89.46	33
27	5.711	183	89.13	73
Nov. 6	5.528	158	88.40	113
16	5.370	126	87.27	150
26	5.244	88	85.77	183
Dez. 6	5.156	48	83.94	212
16	5.108	4	81.82	234
26	5.104	40	79.48	249
36	5.144		76.99	
Mittl. Ort	3.547		71.56	
sec δ, tg δ	1.131		+0.528	
a, a'	+2.4		+7.5	
b, b'	+0.01		+0.93	

Tag	736) *h* Sagittarii AR.		736) *h* Sagittarii Dekl.	
1934	$19^h 32^m$		$-25° 1'$	
Jan. 1	$40^s.980$	112	$58''.86$	40
11	41.092	151	58.46	44
21	41.243	188	58.02	48
31	41.431	219	57.54	52
Feb. 10	41.650	247	57.02	58
20	41.897	271	56.44	65
März 2	42.168	292	55.79	71
12	42.460	309	55.08	78
22	42.769	323	54.30	84
Apr. 1	43.092	332	53.46	88
11	43.424	338	52.58	91
21	43.762	339	51.67	90
Mai 1	44.101	333	50.77	86
11	44.434	323	49.91	81
21	44.757	305	49.10	71
31	45.062	281	48.39	60
Juni 10	45.343	251	47.79	47
20	45.594	214	47.32	32
30	45.808	172	47.00	16
Juli 10	45.980	127	46.84	2
19	[16] 46.107	78	46.82	12
29	46.185	29	46.94	23
Aug. 8	46.214	19	47.17	31
18	46.195	64	47.48	38
28	46.131	103	47.86	41
Sept. 7	46.028	136	48.27	40
17	45.892	159	48.67	36
27	45.733	174	49.03	30
Okt. 7	45.559	176	49.33	22
17	45.383	168	49.55	12
27	45.215	151	49.67	2
Nov. 6	45.064	123	49.69	8
16	44.941	89	49.61	16
26	44.852	48	49.45	24
Dez. 6	44.804	5	49.21	30
16	44.799	39	48.91	35
26	44.838	83	48.56	39
36	44.921		48.17	
Mittl. Ort	41.557		51.10	
sec δ, tg δ	1.104		−0.467	
a, a'	+3.6		+7.9	
b, b'	−0.01		+0.92	

Tag	738) ϑ Cygni AR.		738) ϑ Cygni Dekl.	
1934	$19^h 34^m$		$+50° 3'$	
Jan. 1	$38^s.359$	18	$60''.97$	318
11	38.377	79	57.79	322
21	38.456	138	54.57	314
31	38.594	194	51.43	293
Feb. 10	38.788	246	48.50	262
20	39.034	291	45.88	220
März 2	39.325	330	43.68	168
12	39.655	362	42.00	110
22	40.017	384	40.90	49
Apr. 1	40.401	397	40.41	15
11	40.798	402	40.56	77
21	41.200	395	41.33	136
Mai 1	41.595	380	42.69	191
11	41.975	355	44.60	237
21	42.330	321	46.97	278
31	42.651	278	49.75	309
Juni 10	42.929	230	52.84	331
20	43.159	175	56.15	345
30	43.334	116	59.60	349
Juli 10	43.450	55	63.09	346
19	[16] 43.505	7	66.55	334
29	43.498	69	69.89	315
Aug. 8	43.429	127	73.04	289
18	43.302	180	75.93	258
28	43.122	227	78.51	221
Sept. 7	42.895	266	80.72	180
17	42.629	294	82.52	135
27	42.335	312	83.87	86
Okt. 7	42.023	319	84.73	37
17	41.704	314	85.10	16
27	41.390	297	84.94	68
Nov. 6	41.093	271	84.26	120
16	40.822	233	83.06	169
26	40.589	189	81.37	213
Dez. 6	40.400	136	79.24	254
16	40.264	81	76.70	286
26	40.183	20	73.84	308
36	40.163		70.76	
Mittl. Ort	40.274		62.45	
sec δ, tg δ	1.558		+1.195	
a, a'	+1.6		+8.0	
b, b'	+0.03		+0.92	

Tag	742) δ Cygni AR.		742) δ Cygni Dekl.	
1934	$19^h 42^m$		$+44° 57'$	
Jan. 1	$53^s.121$	21	$66''.19$	303
11	53.142	75	63.16	309
21	53.217	128	60.07	302
31	53.345	178	57.05	284
Feb. 10	53.523	224	54.21	253
20	53.747	266	51.68	213
März 2	54.013	301	49.55	164
12	54.314	331	47.91	108
22	54.645	354	46.83	49
Apr. 1	54.999	368	46.34	13
11	55.367	373	46.47	73
21	55.740	372	47.20	130
Mai 1	56.112	360	48.50	184
11	56.472	340	50.34	229
21	56.812	312	52.63	269
31	57.124	276	55.32	300
Juni 10	57.400	233	58.32	321
20	57.633	184	61.53	335
30	57.817	131	64.88	340
Juli 10	57.948	75	68.28	336
19	[18] 58.023	17	71.64	326
29	58.040	40	74.90	307
Aug. 8	58.000	93	77.97	283
18	57.907	144	80.80	253
28	57.763	189	83.33	218
Sept. 7	57.574	225	85.51	178
17	57.349	253	87.29	135
27	57.096	272	88.64	88
Okt. 7	56.824	278	89.52	41
17	56.546	275	89.93	10
27	56.271	261	89.83	60
Nov. 6	56.010	237	89.23	109
16	55.773	204	88.14	158
26	55.569	164	86.56	201
Dez. 6	55.405	117	84.55	240
16	55.288	67	82.15	271
26	55.221	13	79.44	294
36	55.208		76.50	
Mittl. Ort	54.751		67.33	
sec δ, tg δ	1.413		+0.999	
a, a'	+1.9		+8.7	
b, b'	+0.03		+0.90	

Tag	741) γ Aquilae				743) δ Sagittae				745) α Aquilae [1]				747) ε Draconis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1934	$19^h 43^m$		+10° 26′		$19^h 44^m$		+18° 21′		$19^h 47^m$		+8° 41′		$19^h 48^m$		+70° 5′	
Jan. 1	6.567	73	59.75	168	25.825	64	69.39	207	33.061	74	29.23	156	19.95	13	60.58	327
11	6.640	109	58.07	167	25.889	101	67.32	207	33.135	109	27.67	155	19.82	1	57.31	339
21	6.749	144	56.40	159	25.990	137	65.25	199	33.244	144	26.12	146	19.81	12	53.92	337
31	6.893	174	54.81	143	26.127	171	63.26	182	33.388	175	24.66	130	19.93	23	50.55	323
Feb. 10	7.067	203	53.38	120	26.298	201	61.44	158	33.563	202	23.36	109	20.16	34	47.32	296
20	7.270	228	52.18	91	26.499	228	59.86	124	33.765	228	22.27	81	20.50	44	44.36	257
März 2	7.498	251	51.27	58	26.727	253	58.62	86	33.993	250	21.46	48	20.94	52	41.79	208
12	7.749	269	50.69	20	26.980	272	57.76	44	34.243	270	20.98	12	21.46	59	39.71	152
22	8.018	284	50.49	19	27.252	289	57.32	3	34.513	284	20.86	26	22.05	65	38.19	89
Apr. 1	8.302	296	50.68	58	27.541	300	57.35	47	34.797	295	21.12	63	22.70	67	37.30	24
11	8.598	302	51.26	96	27.841	307	57.82	92	35.092	303	21.75	99	23.37	68	37.06	42
21	8.900	304	52.22	130	28.148	309	58.74	132	35.395	304	22.74	132	24.05	67	37.48	104
Mai 1	9.204	300	53.52	160	28.457	304	60.06	169	35.699	301	24.06	160	24.72	64	38.52	164
11	9.504	289	55.12	184	28.761	292	61.75	200	36.000	291	25.66	183	25.36	59	40.16	218
21	9.793	273	56.96	203	29.053	275	63.75	224	36.291	275	27.49	200	25.95	52	42.34	263
31	10.066	250	58.99	215	29.328	251	65.99	241	36.566	253	29.49	211	26.47	44	44.97	302
Juni 10	10.316	222	61.14	221	29.579	221	68.40	251	36.819	225	31.60	216	26.91	35	47.99	331
20	10.538	188	63.35	221	29.800	185	70.91	255	37.044	191	33.76	216	27.26	24	51.30	351
30	10.726	149	65.56	216	29.985	146	73.46	252	37.235	153	35.92	209	27.50	14	54.81	363
Juli 10	10.875	108	67.72	205	30.131	102	75.98	244	37.388	111	38.01	198	27.64	3	58.44	365
	18				19				19				20			
19*)	10.983	63	69.77	191	30.233	58	78.42	230	37.499	68	39.99	183	27.67	9	62.09	359
29	11.046	19	71.68	173	30.291	12	80.72	211	37.567	23	41.82	166	27.58	19	65.68	346
Aug. 8	11.065	24	73.41	153	30.303	33	82.83	190	37.590	20	43.48	145	27.39	30	69.14	324
18	11.041	65	74.94	129	30.270	73	84.73	164	37.570	61	44.93	122	27.09	39	72.38	297
28	10.976	101	76.23	105	30.197	110	86.37	136	37.509	96	46.15	99	26.70	47	75.35	262
Sept. 7	10.875	130	77.28	80	30.087	140	87.73	106	37.413	127	47.14	75	26.23	55	77.97	223
17	10.745	152	78.08	54	29.947	162	88.79	76	37.286	148	47.89	49	25.68	60	80.20	179
27	10.593	165	78.62	27	29.785	177	89.55	43	37.138	161	48.38	25	25.08	64	81.99	129
Okt. 7	10.428	170	78.89	1	29.608	180	89.98	10	36.977	167	48.63	0	24.44	67	83.28	77
17	10.258	164	78.90	25	29.428	177	90.08	23	36.810	161	48.63	25	23.77	66	84.05	23
27	10.094	151	78.65	51	29.251	163	89.85	56	36.649	147	48.38	49	23.11	65	84.28	33
Nov. 6	9.943	128	78.14	77	29.088	141	89.29	88	36.502	126	47.89	72	22.46	62	83.95	91
16	9.815	100	77.37	101	28.947	112	88.41	118	36.376	98	47.17	94	21.84	57	83.04	145
26	9.715	67	76.36	122	28.835	80	87.23	146	36.278	64	46.23	115	21.27	49	81.59	196
Dez. 6	9.648	30	75.14	140	28.755	42	85.77	170	36.214	29	45.08	131	20.78	41	79.63	244
16	9.618	8	73.74	156	28.713	3	84.07	190	36.185	10	43.77	144	20.37	31	77.19	282
26	9.626	48	72.18	164	28.710	37	82.17	201	36.195	49	42.33	153	20.06	20	74.37	313
36	9.674		70.54		28.747		80.16		36.244		40.80		19.86		71.24	
Mittl. Ort	7.305		64.27		26.677		73.02		33.774		33.85		24.37		59.24	
sec δ, tg δ	1.017		+0.184		1.054		+0.332		1.012		+0.153		2.938		+2.762	
a, *a*′	+2.9		+8.7		+2.7		+8.8		+2.9		+9.1		—0.2		+9.1	
b, *b*′	+0.01		+0.90		+0.01		+0.90		0.00		+0.89		+0.08		+0.89	

[1]) Die jährliche Parallaxe (0.″23) ist bereits berücksichtigt.

*) Bei Stern 747) lies Juli 20

Tag	749) β Aquilae AR.		749) β Aquilae Dekl.		748) ε Pavonis AR.		748) ε Pavonis Dekl.		750) ψ Cygni AR.		750) ψ Cygni Dekl.		751) ϑ¹ Sagittarii AR.		751) ϑ¹ Sagittarii Dekl.	
1934	19ʰ 52ᵐ		+6° 14′		19ʰ 52ᵐ		−73° 4′		19ʰ 53ᵐ		+52° 15′		19ʰ 55ᵐ		−35° 27′	
Jan. 1	3.592	68	21.76	144	57.14	12	84.88	305	53.398	17	47.37	313	26.020	92	31.98	109
11	3.660	104	20.32	142	57.26	25	81.83	311	53.381	46	44.24	322	26.112	136	30.89	116
21	3.764	137	18.90	135	57.51	38	78.72	307	53.427	109	41.02	318	26.248	178	29.73	121
31	3.901	169	17.55	120	57.89	50	75.65	298	53.536	170	37.84	303	26.426	214	28.52	124
Feb. 10	4.070	196	16.35	100	58.39	60	72.67	281	53.706	225	34.81	275	26.640	248	27.28	127
20	4.266	222	15.35	74	58.99	69	69.86	257	53.931	278	32.06	236	26.888	278	26.01	127
März 2	4.488	245	14.61	42	59.68	77	67.29	230	54.209	323	29.70	186	27.166	303	24.74	127
12	4.733	264	14.19	9	60.45	83	64.99	199	54.532	360	27.84	134	27.469	326	23.47	125
22	4.997	281	14.10	27	61.28	88	63.00	162	54.892	390	26.50	71	27.795	345	22.22	122
Apr. 1	5.278	293	14.37	62	62.16	92	61.38	125	55.282	408	25.79	8	28.140	359	21.00	116
11	5.571	301	14.99	96	63.08	93	60.13	84	55.690	418	25.71	54	28.499	369	19.84	107
21	5.872	304	15.95	127	64.01	93	59.29	41	56.108	417	26.25	116	28.868	374	18.77	97
Mai 1	6.176	302	17.22	152	64.94	91	58.88	1	56.525	403	27.41	172	29.242	372	17.80	83
11	6.478	294	18.74	175	65.85	88	58.89	43	56.928	384	29.13	222	29.614	363	16.97	67
21	6.772	279	20.49	190	66.73	82	59.32	85	57.312	351	31.35	265	29.977	348	16.30	49
31	7.051	257	22.39	200	67.55	75	60.17	125	57.663	309	34.00	301	30.325	324	15.81	29
Juni 10	7.308	231	24.39	203	68.30	67	61.42	160	57.972	261	37.01	326	30.649	293	15.52	8
20	7.539	198	26.42	203	68.97	56	63.02	192	58.233	205	40.27	345	30.942	255	15.44	13
30	7.737	160	28.45	196	69.53	44	64.94	217	58.438	144	43.72	353	31.197	211	15.57	34
Juli 10	7.897	119	30.41	185	69.97	30	67.11	237	58.582	81	47.25	353	31.408	161	15.91	52
20	²⁰8.016	75	32.26	170	²¹70.27	17	69.48	249	²¹58.663	16	50.78	345	²¹31.569	109	16.43	67
29	8.091	31	33.96	153	70.44	3	71.97	252	58.679	49	54.23	330	31.678	54	17.10	80
Aug. 8	8.122	13	35.49	133	70.47	11	74.49	247	58.630	110	57.53	308	31.732	0	17.90	88
18	8.109	53	36.82	112	70.36	25	76.96	232	58.520	169	60.61	278	31.732	52	18.78	93
28	8.056	91	37.94	90	70.11	37	79.28	209	58.351	219	63.39	244	31.680	99	19.71	90
Sept. 7	7.965	120	38.84	66	69.74	48	81.37	177	58.132	263	65.83	205	31.581	138	20.61	84
17	7.845	144	39.50	44	69.26	56	83.14	136	57.869	296	67.88	161	31.443	168	21.45	73
27	7.701	158	39.94	21	68.70	61	84.50	91	57.573	320	69.49	113	31.275	189	22.18	59
Okt. 7	7.543	164	40.15	2	68.09	65	85.41	40	57.253	331	70.62	64	31.086	197	22.77	39
17	7.379	160	40.13	24	67.44	65	85.81	14	56.922	332	71.26	11	30.889	194	23.16	19
27	7.219	147	39.89	46	66.79	62	85.67	69	56.590	319	71.37	42	30.695	179	23.35	2
Nov. 6	7.072	127	39.43	68	66.17	56	84.98	121	56.271	296	70.95	96	30.516	153	23.33	24
16	6.945	100	38.75	87	65.61	47	83.77	170	55.975	264	69.99	147	30.363	120	23.09	45
26	6.845	67	37.88	106	65.14	37	82.07	213	55.711	221	68.52	195	30.243	79	22.64	64
Dez. 6	6.778	32	36.82	121	64.77	25	79.94	250	55.490	171	66.57	237	30.164	34	22.00	79
16	6.746	5	35.61	133	64.52	11	77.44	278	55.319	116	64.20	274	30.130	12	21.21	94
26	6.751	43	34.28	141	64.41	2	74.66	298	55.203	55	61.46	299	30.142	61	20.27	105
36	6.794		32.87		64.43		71.68		55.148		58.47		30.203		19.22	
Mittl. Ort	4.267		26.35		59.36		74.41		55.433		46.82		26.586		23.16	
sec δ, tg δ	1.006		+0.109		3.437		−3.289		1.634		+1.292		1.228		−0.712	
a, a'	+2.9		+9.4		+6.9		+9.5		+1.6		+9.6		+3.9		+9.7	
b, b'	0.00		+0.88		−0.10		+0.88		+0.04		+0.88		−0.02		+0.88	

Tag	752) γ Sagittae AR.		752) γ Sagittae Dekl.		754) δ Pavonis AR.		754) δ Pavonis Dekl.		756) ϑ Aquilae AR.		756) ϑ Aquilae Dekl.		759) κ Cephei AR.		759) κ Cephei Dekl.	
1934	19h 55m		+19° 18′		20h 2m		−66° 20′		20h 7m		−1° 0′		20h 10m		+77° 30′	
Jan. 1	48.434s	51	39.34″	206	14.74s	10	80.71″	273	53.428s	59	71.63″	97	61.41s	37	52.89″	308
11	48.485	89	37.28	209	14.84	18	77.98	282	53.487	94	72.60	95	61.04	18	49.81	327
21	48.574	126	35.19	202	15.02	28	75.16	283	53.581	127	73.55	87	60.86	2	46.54	333
31	48.700	159	33.17	185	15.30	36	72.33	277	53.708	157	74.42	74	60.88	20	43.21	327
Feb. 10	48.859	191	31.32	162	15.66	44	69.56	265	53.865	187	75.16	57	61.08	39	39.94	308
20	49.050	220	29.70	130	16.10	51	66.91	248	54.052	212	75.73	34	61.47	57	36.86	276
März 2	49.270	245	28.40	92	16.61	56	64.43	225	54.264	236	76.07	9	62.04	71	34.10	233
12	49.515	267	27.48	49	17.17	61	62.18	200	54.500	257	76.16	19	62.75	84	31.77	182
22	49.782	285	26.99	3	17.78	65	60.18	169	54.757	275	75.97	47	63.59	94	29.95	123
Apr. 1	50.067	299	26.96	42	18.43	67	58.49	136	55.032	290	75.50	77	64.53	100	28.72	61
11	50.366	308	27.38	87	19.10	70	57.13	100	55.322	301	74.73	103	65.53	103	28.11	4
21	50.674	311	28.25	129	19.80	70	56.13	63	55.623	307	73.70	128	66.56	102	28.15	67
Mai 1	50.985	308	29.54	167	20.50	69	55.50	24	55.930	308	72.42	147	67.58	99	28.82	128
11	51.293	299	31.21	199	21.19	67	55.26	16	56.238	301	70.95	163	68.57	92	30.10	183
21	51.592	282	33.20	224	21.86	63	55.42	55	56.539	290	69.32	173	69.49	82	31.93	234
31	51.874	259	35.44	243	22.49	59	55.97	93	56.829	272	67.59	178	70.31	70	34.27	277
Juni 10	52.133	231	37.87	255	23.08	53	56.90	129	57.101	246	65.81	178	71.01	56	37.04	311
20	52.364	196	40.42	260	23.61	45	58.19	161	57.347	215	64.03	173	71.57	41	40.15	337
30	52.560	156	43.02	258	24.06	37	59.80	187	57.562	179	62.30	165	71.98	25	43.52	355
Juli 10	52.716	113	45.60	251	24.43	28	61.67	210	57.741	139	60.65	151	72.23	7	47.07	364
20	52.829	68	48.11	238	24.71	17	63.77	224	57.880	96	59.14	136	72.30	10	50.71	365
29	[21] 52.897	22	50.49	220	[23] 24.88	6	66.01	232	[24] 57.976	50	57.78	120	[25] 72.20	26	54.36	357
Aug. 8	52.919	23	52.69	199	24.94	3	68.33	230	58.026	7	56.58	100	71.94	42	57.93	342
18	52.896	65	54.68	173	24.91	14	70.63	221	58.033	36	55.58	82	71.52	58	61.35	320
28	52.831	102	56.41	146	24.77	24	72.84	203	57.997	74	54.76	63	70.94	71	64.55	292
Sept. 7	52.729	134	57.87	116	24.53	31	74.87	176	57.923	106	54.13	43	70.23	82	67.47	256
17	52.595	158	59.03	84	24.22	37	76.63	142	57.817	132	53.70	25	69.41	93	70.03	216
27	52.437	173	59.87	52	23.85	42	78.05	102	57.685	148	53.45	9	68.48	100	72.19	171
Okt. 7	52.264	180	60.39	19	23.43	45	79.07	56	57.537	156	53.36	7	67.48	105	73.90	121
17	52.084	177	60.58	15	22.98	45	79.63	8	57.381	155	53.43	23	66.43	108	75.11	68
27	51.907	166	60.43	49	22.53	43	79.71	43	57.226	145	53.66	37	65.35	108	75.79	12
Nov. 6	51.741	146	59.94	82	22.10	39	79.28	91	57.081	126	54.03	51	64.27	104	75.91	46
16	51.595	120	59.12	113	21.71	32	78.37	138	56.955	102	54.54	64	63.23	98	75.45	102
26	51.475	88	57.99	142	21.39	25	76.99	180	56.853	71	55.18	75	62.25	90	74.43	157
Dez. 6	51.387	52	56.57	167	21.14	17	75.19	215	56.782	38	55.93	84	61.35	77	72.86	208
16	51.335	14	54.90	187	20.97	7	73.04	245	56.744	1	56.77	92	60.58	64	70.78	252
26	51.321	26	53.03	201	20.90	3	70.59	265	56.743	34	57.69	96	59.94	47	68.26	289
36	51.347		51.02		20.93		67.94		56.777		58.65		59.47		65.37	
Mittl. Ort	49.284		42.21		16.14		69.92		54.002		66.69		68.72		48.59	
sec δ, tg δ	1.060		+0.350		2.493		−2.284		1.000		−0.018		4.625		+4.516	
a, *a′*	+2.7		+9.7		+5.7		+10.2		+3.1		+10.6		−2.0		+10.9	
b, *b′*	+0.01		+0.88		−0.08		+0.86		0.00		+0.85		+0.16		+0.84	

Tag	757) o^1 Cygni seq. AR.		Dekl.		760) 24 Vulpeculae AR.		Dekl.		761) α^2 Capricorni AR.		Dekl.		765) γ Cygni AR.		Dekl.	
1934	$20^h 11^m$		$+46° 32'$		$20^h 13^m$		$+24° 27'$		$20^h 14^m$		$-12° 44'$		$20^h 19^m$		$+40° 2'$	
Jan. 1	31.540	19	26.72	293	56.707	26	58.99	221	23.169	61	68.71	27	50.191	10	41.87	272
11	31.521	34	23.79	303	56.733	66	56.78	227	23.230	96	68.98	21	50.181	36	39.15	282
21	31.555	88	20.76	303	56.799	103	54.51	222	23.326	130	69.19	13	50.217	84	36.33	283
31	31.643	141	17.73	291	56.902	139	52.29	209	23.456	161	69.32	2	50.301	130	33.50	270
Feb. 10	31.784	191	14.82	266	57.041	174	50.20	185	23.617	190	69.34	11	50.431	174	30.80	243
20	31.975	238	12.16	231	57.215	206	48.35	154	23.807	216	69.23	27	50.605	216	28.32	215
März 2	32.213	280	9.85	186	57.421	236	46.81	116	24.023	241	68.96	45	50.821	254	26.17	172
12	32.493	317	7.99	134	57.657	261	45.65	71	24.264	262	68.51	64	51.075	287	24.45	123
22	32.810	346	6.65	77	57.918	284	44.94	24	24.526	282	67.87	82	51.362	315	23.22	68
Apr. 1	33.156	368	5.88	16	58.202	300	44.70	25	24.808	298	67.05	100	51.677	337	22.54	11
11	33.524	382	5.72	45	58.502	313	44.95	74	25.106	309	66.05	115	52.014	352	22.43	48
21	33.906	385	6.17	104	58.815	319	45.69	120	25.415	317	64.90	127	52.366	358	22.91	103
Mai 1	34.291	381	7.21	159	59.134	319	46.89	162	25.732	319	63.63	136	52.724	356	23.94	156
11	34.672	366	8.80	208	59.453	311	48.51	199	26.051	315	62.27	140	53.080	346	25.50	203
21	35.038	342	10.88	252	59.764	296	50.50	230	26.366	304	60.87	141	53.426	327	27.53	243
31	35.380	309	13.40	287	60.060	274	52.80	253	26.670	286	59.46	137	53.753	301	29.96	277
Juni 10	35.689	270	16.27	315	60.334	247	55.33	269	26.956	262	58.09	128	54.054	266	32.73	303
20	35.959	222	19.42	333	60.581	211	58.02	279	27.218	231	56.81	117	54.320	224	35.76	319
30	36.181	169	22.75	343	60.792	172	60.81	281	27.449	196	55.64	104	54.544	178	38.95	329
Juli 10	36.350	113	26.18	345	60.964	129	63.62	276	27.645	154	54.60	87	54.722	127	42.24	330
20	36.463	54	29.63	339	61.093	82	66.38	266	27.799	110	53.73	70	54.849	74	45.54	324
29	[25] 36.517	5	33.02	326	[26] 61.175	34	69.04	250	[26] 27.909	63	53.03	53	[28] 54.923	20	48.78	311
Aug. 8	36.512	61	36.28	306	61.209	12	71.54	228	27.972	18	52.50	37	54.943	33	51.89	290
18	36.451	117	39.34	279	61.197	55	73.82	204	27.990	26	52.13	21	54.910	83	54.79	266
28	36.334	164	42.13	247	61.142	96	75.86	176	27.964	67	51.92	7	54.827	129	57.45	235
Sept. 7	36.170	207	44.60	210	61.046	130	77.62	144	27.897	101	51.85	4	54.698	168	59.80	200
17	35.963	239	46.70	169	60.916	157	79.06	111	27.796	128	51.89	13	54.530	200	61.80	161
27	35.724	264	48.39	124	60.759	176	80.17	76	27.668	147	52.02	21	54.330	223	63.41	119
Okt. 7	35.460	279	49.63	77	60.583	185	80.93	39	27.521	157	52.23	25	54.107	236	64.60	74
17	35.181	278	50.40	27	60.398	186	81.32	2	27.364	156	52.48	29	53.871	239	65.34	28
27	34.903	272	50.67	24	60.212	178	81.34	36	27.208	146	52.77	31	53.632	233	65.62	20
Nov. 6	34.631	254	50.43	75	60.034	161	80.98	73	27.062	128	53.08	32	53.399	218	65.42	68
16	34.377	228	49.68	126	59.873	138	80.25	108	26.934	104	53.40	33	53.181	194	64.74	115
26	34.149	193	48.42	172	59.735	108	79.17	142	26.830	72	53.73	33	52.987	163	63.59	159
Dez. 6	33.956	151	46.70	215	59.627	75	77.75	172	26.758	39	54.06	33	52.824	126	62.00	199
16	33.805	104	44.55	252	59.552	38	76.03	195	26.719	1	54.39	31	52.698	85	60.01	233
26	33.701	54	42.03	278	59.514	0	74.08	214	26.718	35	54.70	29	52.613	40	57.68	259
36	33.647		39.25		59.514		71.94		26.753		54.99		52.573		55.09	
Mittl. Ort	33.197		25.09		57.621		60.05		23.657		62.32		51.538		40.33	
sec δ, tg δ	1.454		+1.055		1.099		+0.455		1.025		−0.226		1.306		+0.840	
a, *a'*	+1.9		+10.9		+2.6		+11.1		+3.3		+11.1		+2.2		+11.5	
b, *b'*	+0.04		+ 0.84		+0.02		+ 0.83		−0.01		+ 0.83		+0.03		+ 0.82	

Tag	764) α Pavonis AR.		764) α Pavonis Dekl.		767) ϑ Cephei AR.		767) ϑ Cephei Dekl.		768) ε Delphini AR.		768) ε Delphini Dekl.		770) 73 Draconis AR.		770) 73 Draconis Dekl.	
1934	20h 20m		−56° 56′		20h 28m		+62° 45′		20h 30m		+11° 4′		20h 32m		+74° 43′	
Jan. 1	25.492	55	64.63	230	25.72	14	83.60	302	2.939	28	37.70	155	18.33	35	49.98	295
11	25.547	123	62.33	243	25.58	5	80.58	321	2.967	63	36.15	156	17.98	19	47.03	319
21	25.670	187	59.90	250	25.53	3	77.37	328	3.030	96	34.59	150	17.79	5	43.84	331
31	25.857	248	57.40	250	25.56	12	74.09	324	3.126	129	33.09	139	17.74	11	40.53	329
Feb. 10	26.105	203	54.90	246	25.68	20	70.85	305	3.255	160	31.70	118	17.85	27	37.24	316
20	26.308	353	52.44	238	25.88	28	67.80	274	3.415	189	30.52	93	18.12	41	34.08	288
März 2	26.761	397	50.06	224	26.16	35	65.06	233	3.604	217	29.59	62	18.53	55	31.20	249
12	27.158	436	47.82	207	26.51	42	62.73	182	3.821	241	28.97	26	19.08	65	28.71	202
22	27.594	469	45.75	185	26.93	47	60.91	124	4.062	264	28.71	12	19.73	75	26.69	145
Apr. 1	28.063	494	43.90	162	27.40	50	59.67	62	4.326	283	28.83	50	20.48	82	25.24	85
11	28.557	514	42.28	133	27.90	52	59.05	2	4.609	297	29.33	89	21.30	85	24.39	20
21	29.071	525	40.95	103	28.42	53	59.07	66	4.906	306	30.22	124	22.15	86	24.19	43
Mai 1	29.596	526	39.92	71	28.95	53	59.73	127	5.212	310	31.46	155	23.01	85	24.62	106
11	30.122	517	39.21	36	29.48	51	61.00	183	5.522	307	33.01	183	23.86	81	25.68	163
21	30.639	498	38.85	1	29.99	47	62.83	234	5.829	297	34.84	203	24.67	74	27.31	217
31	31.137	468	38.84	35	30.46	42	65.17	277	6.126	280	36.87	219	25.41	65	29.48	262
Juni 10	31.605	428	39.19	70	30.88	37	67.94	313	6.406	256	39.06	227	26.06	55	32.10	301
20	32.033	376	39.89	101	31.25	29	71.07	340	6.662	226	41.33	231	26.61	43	35.11	331
30	32.409	315	40.90	131	31.54	22	74.47	358	6.888	191	43.64	228	27.04	30	38.42	353
Juli 10	32.724	247	42.21	155	31.76	14	78.05	367	7.079	151	45.92	219	27.34	17	41.95	366
20	32.971	171	43.76	176	31.90	5	81.72	369	7.230	108	48.11	207	27.51	2	45.61	371
29*)	[28] 33.142	93	45.52	188	31.95	3	85.41	361	[30] 7.338	63	50.18	190	[31] 27.53	12	49.32	367
Aug. 8	33.235	14	47.40	195	[30] 31.92	11	89.02	347	7.401	19	52.08	171	27.41	25	52.99	356
18	33.249	63	49.35	193	31.81	19	92.49	324	7.420	25	53.79	148	27.16	38	56.55	337
28	33.186	135	51.28	184	31.62	26	95.73	296	7.395	65	55.27	125	26.78	50	59.92	312
Sept. 7	33.051	199	53.12	166	31.36	32	98.69	262	7.330	98	56.52	99	26.28	61	63.04	280
17	32.852	250	54.78	142	31.04	38	101.31	221	7.232	126	57.51	74	25.67	69	65.84	242
27	32.602	289	56.20	110	30.66	42	103.52	175	7.106	146	58.25	47	24.98	76	68.26	198
Okt. 7	32.313	311	57.30	74	30.24	44	105.27	126	6.960	156	58.72	21	24.22	82	70.24	150
17	32.002	317	58.04	33	29.80	45	106.53	74	6.804	161	58.93	6	23.40	85	71.74	97
27	31.685	306	58.37	10	29.35	45	107.27	17	6.643	154	58.87	32	22.55	85	72.71	41
Nov. 6	31.379	280	58.27	53	28.90	45	107.44	39	6.489	139	58.55	57	21.70	84	73.12	16
16	31.099	239	57.74	94	28.45	41	107.05	95	6.350	120	57.98	81	20.86	80	72.96	74
26	30.860	188	56.80	134	28.04	37	106.10	151	6.230	93	57.17	104	20.06	74	72.22	132
Dez. 6	30.672	127	55.46	168	27.67	32	104.59	201	6.137	62	56.13	122	19.32	66	70.90	185
16	30.545	62	53.78	196	27.35	25	102.58	245	6.075	30	54.91	138	18.66	55	69.05	233
26	30.483	8	51.82	220	27.10	18	100.13	283	6.045	4	53.53	150	18.11	42	66.72	273
36	30.491		49.62		26.92		97.30		6.049		52.03		17.69		63.99	
Mittl. Ort	26.307		53.54		28.65		78.55		3.587		39.93		24.04		43.51	
sec δ, tg δ	1.834		−1.537		2.186		+1.943		1.019		+0.196		3.797		+3.663	
a, *a'*	+4.8		+11.5		+1.0		+12.1		+2.9		+12.2		−0.8		+12.4	
b, *b'*	−0.06		+0.82		+0.08		+0.80		+0.01		+0.79		+0.15		+0.79	

*) Bei Stern 767), 768) und 770) lies Juli 30

Tag	769) α Indi AR.	Diff.	769) α Indi Dekl.	Diff.	771) β Delphini AR.	Diff.	771) β Delphini Dekl.	Diff.
1934	20h 32m		−47° 31′		20h 34m		+14° 21′	
Jan. 1	55.338	42	34.25	180	26.551	21	50.44	168
11	55.380	95	32.45	194	26.572	55	48.76	172
21	55.475	145	30.51	204	26.627	90	47.04	167
31	55.620	193	28.47	210	26.717	123	45.37	156
Feb. 10	55.813	237	26.37	212	26.840	155	43.81	135
20	56.050	278	24.25	211	26.995	186	42.46	110
März 2	56.328	315	22.14	204	27.181	214	41.36	77
12	56.643	348	20.10	196	27.395	239	40.59	39
22	56.991	377	18.14	184	27.634	264	40.20	0
Apr. 1	57.368	401	16.30	169	27.898	283	40.20	41
11	57.769	421	14.61	150	28.181	298	40.61	83
21	58.190	433	13.11	128	28.479	308	41.44	120
Mai 1	58.623	438	11.83	102	28.787	312	42.64	155
11	59.061	436	10.81	75	29.099	309	44.19	185
21	59.497	423	10.06	46	29.408	300	46.04	209
31	59.920	402	9.60	14	29.708	283	48.13	226
Juni 10	60.322	372	9.46	16	29.991	260	50.39	239
20	60.694	332	9.62	47	30.251	229	52.78	243
30	61.026	284	10.09	76	30.480	194	55.21	242
Juli 10	61.310	229	10.85	102	30.674	153	57.63	236
20	61.539	168	11.87	123	30.827	111	59.99	225
30	61.707	104	13.10	142	30.938	65	62.24	209
Aug. 8	31 61.811	38	14.52	152	31 31.003	20	64.33	187
18	61.849	26	16.04	157	31.023	24	66.20	166
28	61.823	85	17.61	155	30.999	63	67.86	142
Sept. 7	61.738	139	19.16	146	30.936	99	69.28	115
17	61.599	183	20.62	130	30.837	126	70.43	87
27	61.416	215	21.92	108	30.711	146	71.30	59
Okt. 7	61.201	236	23.00	80	30.565	161	71.89	29
17	60.965	243	23.80	48	30.404	162	72.18	1
27	60.722	236	24.28	15	30.242	158	72.19	27
Nov. 6	60.486	217	24.43	22	30.084	144	71.92	57
16	60.269	186	24.21	56	29.940	124	71.35	83
26	60.083	147	23.65	89	29.816	99	70.52	109
Dez. 6	59.936	99	22.76	120	29.717	70	69.43	130
16	59.837	49	21.56	147	29.647	37	68.13	150
26	59.788	5	20.09	168	29.610	2	66.63	162
36	59.793		18.41		29.608		65.01	
Mittl. Ort	55.880		23.53		27.234		51.89	
sec δ, tg δ	1.481		−1.092		1.032		+0.256	
a, a′	+4.2		+12.4		+2.8		+12.5	
b, b′	−0.05		+ 0.79		+0.01		+ 0.78	

Tag	773) υ Capricorni AR.	Diff.	773) υ Capricorni Dekl.	Diff.	774) α Delphini AR.	Diff.	774) α Delphini Dekl.	Diff.
1934	20h 36m		−18° 22′		20h 36m		+15° 40′	
Jan. 1	17.298	42	27.20	9	33.649	17	39.93	173
11	17.340	77	27.11	19	33.666	52	38.20	177
21	17.417	111	26.92	28	33.718	87	36.43	174
31	17.528	143	26.64	40	33.805	120	34.69	162
Feb. 10	17.671	174	26.24	52	33.925	152	33.07	142
20	17.845	203	25.72	66	34.077	184	31.65	116
März 2	18.048	229	25.06	81	34.261	212	30.49	83
12	18.277	255	24.25	95	34.473	239	29.66	45
22	18.532	276	23.30	109	34.712	263	29.21	5
Apr. 1	18.808	297	22.21	122	34.975	283	29.16	38
11	19.105	312	20.99	132	35.258	299	29.54	79
21	19.417	323	19.67	137	35.557	309	30.33	119
Mai 1	19.740	328	18.30	143	35.866	313	31.52	155
11	20.068	328	16.87	140	36.179	310	33.07	185
21	20.396	321	15.47	136	36.489	301	34.92	211
31	20.717	305	14.11	127	36.790	285	37.03	229
Juni 10	21.022	284	12.84	114	37.075	261	39.32	243
20	21.306	255	11.70	99	37.336	231	41.75	248
30	21.561	220	10.71	81	37.567	195	44.23	248
Juli 10	21.781	179	9.90	62	37.762	155	46.71	242
20	21.960	135	9.28	44	37.917	111	49.13	232
30	22.095	87	8.84	24	38.028	67	51.45	215
Aug. 8	1 22.182	40	8.60	6	1 38.095	20	53.60	196
18	22.222	7	8.54	9	38.115	23	55.56	173
28	22.215	49	8.63	21	38.092	63	57.29	149
Sept. 7	22.166	88	8.84	31	38.029	98	58.78	121
17	22.078	118	9.15	38	37.931	127	59.99	93
27	21.960	141	9.53	41	37.804	148	60.92	64
Okt. 7	21.819	154	9.94	41	37.656	160	61.56	34
17	21.665	158	10.35	39	37.496	163	61.90	4
27	21.507	152	10.74	35	37.333	159	61.94	26
Nov. 6	21.355	137	11.09	30	37.174	147	61.68	55
16	21.218	115	11.39	23	37.027	127	61.13	84
26	21.103	87	11.62	16	36.900	102	60.29	110
Dez. 6	21.016	56	11.78	9	36.798	73	59.19	133
16	20.960	20	11.87	2	36.725	40	57.86	153
26	20.940	17	11.89	5	36.685	7	56.33	168
36	20.957		11.84		36.678		54.65	
Mittl. Ort	17.703		20.23		34.346		41.04	
sec δ, tg δ	1.054		−0.332		1.039		+0.281	
a, a′	+3.4		+12.6		+2.8		+12.7	
b, b′	−0.01		+ 0.78		+0.01		+ 0.78	

Scheinbare Sternörter 1934

Tag	775) β Pavonis AR.	Diff.	775) β Pavonis Dekl.	Diff.	777) α Cygni AR.	Diff.	777) α Cygni Dekl.	Diff.	780) ε Cygni AR.	Diff.	780) ε Cygni Dekl.	Diff.	783) η Cephei AR.	Diff.	783) η Cephei Dekl.	Diff.
1934	$20^h 39^m$		$-66° 26'$		$20^h 39^m$		$+45° 2'$		$20^h 43^m$		$+33° 43'$		$20^h 43^m$		$+61° 34'$	
	s		″		s		″		s		″		s		″	
Jan. 1	0.95	0	44.65	272	9.380	47	41.02	272	31.345	19	22.12	239	54.30	14	61.48	287
11	0.95	8	41.93	289	9.333	2	38.30	288	31.326	22	19.73	250	54.16	8	58.61	310
21	1.03	18	39.04	299	9.335	52	35.42	292	31.348	64	17.23	253	54.08	1	55.51	321
31	1.21	26	36.05	302	9.387	105	32.50	286	31.412	105	14.70	244	54.09	9	52.30	319
Feb. 10	1.47	35	33.03	296	9.492	154	29.64	267	31.517	145	12.26	226	54.18	17	49.11	304
20	1.82	42	30.07	287	9.646	202	26.97	237	31.662	184	10.00	197	54.35	24	46.07	278
März 2	2.24	48	27.20	269	9.848	247	24.60	198	31.846	221	8.03	160	54.59	32	43.29	239
12	2.72	54	24.51	249	10.095	287	22.62	150	32.067	255	6.43	115	54.91	38	40.90	191
22	3.26	59	22.02	222	10.382	321	21.12	95	32.322	284	5.28	65	55.29	43	38.99	135
Apr. 1	3.85	63	19.80	191	10.703	349	20.17	37	32.606	308	4.63	12	55.72	48	37.64	75
11	4.48	66	17.89	157	11.052	369	19.80	21	32.914	327	4.51	42	56.20	51	36.89	12
21	5.14	68	16.32	120	11.421	380	20.01	80	33.241	339	4.93	94	56.71	51	36.77	52
Mai 1	5.82	68	15.12	80	11.801	382	20.81	136	33.580	343	5.87	143	57.22	52	37.29	113
11	6.50	68	14.32	39	12.183	374	22.17	187	33.923	340	7.30	189	57.74	50	38.42	171
21	7.18	66	13.93	3	12.557	357	24.04	233	34.263	327	9.19	228	58.24	48	40.13	222
31	7.84	63	13.96	46	12.914	331	26.37	270	34.590	306	11.47	259	58.72	43	42.35	268
Juni 10	8.47	57	14.42	86	13.245	296	29.07	301	34.896	280	14.06	285	59.15	38	45.03	306
20	9.04	50	15.28	124	13.541	253	32.08	323	35.176	244	16.91	301	59.53	32	48.09	334
30	9.54	43	16.52	158	13.794	205	35.31	337	35.420	203	19.92	312	59.85	25	51.43	356
Juli 10	9.97	35	18.10	188	13.999	151	38.68	343	35.623	158	23.04	313	60.10	17	54.99	368
20	10.32	24	19.98	211	14.150	96	42.11	341	35.781	109	26.17	309	60.27	9	58.67	372
30	1 10.56	14	22.09	226	1 14.246	38	45.52	332	3 35.890	58	29.26	297	3 60.36	0	62.39	367
Aug. 8	10.70	4	24.35	234	14.284	20	48.84	315	35.948	8	32.23	280	60.36	7	66.06	356
18	10.74	8	26.69	234	14.264	74	51.99	293	35.956	40	35.03	257	60.29	14	69.62	336
28	10.66	17	29.03	222	14.190	124	54.92	265	35.916	85	37.60	230	60.15	22	72.98	310
Sept. 7	10.49	26	31.25	204	14.066	169	57.57	231	35.831	124	39.90	198	59.93	28	76.08	277
17	10.23	33	33.29	176	13.897	204	59.88	193	35.707	156	41.88	162	59.65	33	78.85	239
27	9.90	40	35.05	140	13.693	233	61.81	150	35.551	181	43.50	125	59.32	38	81.24	195
Okt. 7	9.50	43	36.45	98	13.460	251	63.31	106	35.370	198	44.75	84	58.94	41	83.19	147
17	9.07	46	37.43	50	13.209	260	64.37	57	35.172	203	45.59	42	58.53	42	84.66	96
27	8.61	45	37.93	0	12.949	258	64.94	7	34.969	202	46.01	2	58.11	43	85.62	40
Nov. 6	8.16	42	37.93	52	12.691	246	65.01	43	34.767	191	45.99	46	57.68	42	86.02	16
16	7.74	38	37.41	102	12.445	227	64.58	93	34.576	173	45.53	89	57.26	40	85.86	73
26	7.36	33	36.39	149	12.218	198	63.65	142	34.403	147	44.64	130	56.86	36	85.13	128
Dez. 6	7.03	24	34.90	192	12.020	164	62.23	186	34.256	118	43.34	167	56.50	31	83.85	181
16	6.79	16	32.98	228	11.856	123	60.37	224	34.138	82	41.67	201	56.19	26	82.04	227
26	6.63	7	30.70	258	11.733	78	58.13	256	34.056	45	39.66	226	55.93	19	79.77	267
36	6.56		28.12		11.655		55.57		34.011		37.40		55.74		77.10	
Mittl. Ort	2.06		32.36		10.880		37.11		32.410		19.64		57.02		54.99	
sec δ, tg δ	2.502		−2.294		1.415		+1.002		1.202		+0.668		2.101		+1.848	
a, a'	+5.4		+12.8		+2.0		+12.8		+2.4		+13.1		+1.2		+13.1	
b, b'	−0.10		+ 0.77		+0.04		+ 0.77		+0.03		+ 0.76		+0.08		+ 0.75	

Tag	781) ε Aquarii AR.		781) Dekl.		784) λ Cygni AR.		784) Dekl.		785) β Indi AR.		785) Dekl.		786) 32 Vulpeculae AR.		786) Dekl.	
1934	20h 44m		−9° 44′		20h 44m		+36° 14′		20h 49m		−58° 41′		20h 51m		+27° 48′	
Jan. 1	5.860 s	31	23.94 ″	40	49.067 s	27	53.63 ″	246	39.166 s	4	89.05 ″	233	43.902 s	15	22.50 ″	215
11	5.891	64	24.34	33	49.040	16	51.17	260	39.162	66	86.72	253	43.887	22	20.35	226
21	5.955	97	24.67	24	49.056	58	48.57	263	39.228	133	84.19	266	43.909	60	18.09	227
31	6.052	128	24.91	11	49.114	101	45.94	255	39.361	197	81.53	272	43.969	98	15.82	219
Feb. 10	6.180	158	25.02	3	49.215	143	43.39	237	39.558	258	78.81	273	44.067	136	13.63	201
20	6.338	187	24.99	21	49.358	184	41.02	208	39.816	314	76.08	268	44.203	171	11.62	174
März 2	6.525	213	24.78	41	49.542	223	38.94	170	40.130	366	73.40	258	44.374	206	9.88	139
12	6.738	239	24.37	63	49.765	258	37.24	125	40.496	412	70.82	243	44.580	238	8.49	98
22	6.977	261	23.74	84	50.023	289	35.99	75	40.908	453	68.39	224	44.818	267	7.51	51
Apr. 1	7.238	282	22.90	104	50.312	314	35.24	20	41.361	488	66.15	200	45.085	291	7.00	1
11	7.520	298	21.86	124	50.626	333	35.04	34	41.849	515	64.15	172	45.376	311	6.99	48
21	7.818	311	20.62	139	50.959	345	35.38	89	42.364	535	62.43	142	45.687	324	7.47	97
Mai 1	8.129	317	19.23	150	51.304	350	36.27	139	42.899	544	61.01	107	46.011	330	8.44	142
11	8.446	317	17.73	159	51.654	345	37.66	187	43.443	543	59.94	70	46.341	328	9.86	184
21	8.763	311	16.14	161	51.999	333	39.53	227	43.986	532	59.24	33	46.669	320	11.70	219
31	9.074	298	14.53	160	52.332	312	41.80	261	44.518	508	58.91	7	46.989	302	13.89	248
Juni 10	9.372	277	12.93	154	52.644	283	44.41	287	45.026	471	58.98	45	47.291	278	16.37	270
20	9.649	250	11.39	143	52.927	247	47.28	306	45.497	425	59.43	83	47.569	247	19.07	285
30	9.899	216	9.96	130	53.174	205	50.34	317	45.922	366	60.26	117	47.816	208	21.92	292
Juli 10	10.115	178	8.66	114	53.379	159	53.51	320	46.288	299	61.43	147	48.024	167	24.84	293
20	10.293	135	7.52	96	53.538	108	56.71	317	46.587	224	62.90	173	48.191	120	27.77	287
30	10.428	90	6.56	77	53.646	57	59.88	306	46.811	143	64.63	192	48.311	73	30.64	275
Aug. 8	[3] 10.518	44	5.79	58	[3] 53.703	5	62.94	288	[4] 46.954	60	66.55	205	[5] 48.384	24	33.39	258
18	10.562	1	5.21	39	53.708	45	65.82	267	47.014	22	68.60	208	48.408	22	35.97	235
28	10.561	42	4.82	23	53.663	90	68.49	239	46.992	101	70.68	205	48.386	66	38.32	209
Sept. 7	10.519	80	4.59	7	53.573	130	70.88	207	46.891	173	72.73	191	48.320	104	40.41	180
17	10.439	108	4.52	6	53.443	165	72.95	171	46.718	233	74.64	170	48.216	135	42.21	146
27	10.331	132	4.58	16	53.278	189	74.66	132	46.485	282	76.34	142	48.081	160	43.67	112
Okt. 7	10.199	145	4.74	25	53.089	206	75.98	91	46.203	315	77.76	107	47.921	176	44.79	74
17	10.054	150	4.99	32	52.883	213	76.89	47	45.888	331	78.83	65	47.745	183	45.53	36
27	9.904	145	5.31	37	52.670	212	77.36	1	45.557	330	79.48	22	47.562	182	45.89	3
Nov. 6	9.759	133	5.68	40	52.458	202	77.37	44	45.227	313	79.70	24	47.380	173	45.86	43
16	9.626	113	6.08	43	52.256	183	76.93	89	44.914	282	79.46	70	47.207	156	45.43	82
26	9.513	88	6.51	45	52.073	158	76.04	131	44.632	236	78.76	113	47.051	133	44.61	118
Dez. 6	9.425	58	6.96	44	51.915	128	74.73	171	44.396	180	77.63	154	46.918	106	43.43	152
16	9.367	27	7.40	44	51.787	92	73.02	206	44.216	119	76.09	189	46.812	73	41.91	181
26	9.340	8	7.84	42	51.695	54	70.96	232	44.097	50	74.20	219	46.739	39	40.10	204
36	9.348		8.26		51.641		68.64		44.047		72.01		46.700		38.06	
Mittl. Ort	6.275		18.54		50.206		50.62		39.844		76.89		44.785		20.47	
sec δ, tg δ	1.015		− 0.172		1.240		+0.733		1.925		−1.645		1.131		+0.527	
a, *a′*	+3.2		+13.2		+2.3		+13.2		+4.7		+13.5		+2.6		+13.7	
b, *b′*	−0.01		+ 0.75		+0.03		+ 0.75		−0.07		+ 0.74		+0.02		+ 0.73	

Tag	788) ν Cygni AR.		788) ν Cygni Dekl.		790) ζ Microscopii AR.		790) ζ Microscopii Dekl.		793) 61 Cygni pr.¹) AR.		793) 61 Cygni pr.¹) Dekl.		794) ν Aquarii AR.		794) ν Aquarii Dekl.	
1934	20ʰ 54ᵐ		+40° 54′		20ʰ 58ᵐ		−38° 53′		21ʰ 3ᵐ		+38° 25′		21ʰ 5ᵐ		−11° 38′	
Jan. 1	41.432	50	48.37	253	44.881	14	36.34	128	55.037	38	30.92	232	59.741	12	29.19	26
11	41.382	6	45.84	269	44.895	56	35.06	144	54.999	3	28.60	248	59.753	44	29.45	18
21	41.376	39	43.15	275	44.951	99	33.62	160	55.002	47	26.12	255	59.797	75	29.63	7
31	41.415	87	40.40	271	45.050	139	32.02	171	55.049	91	23.57	251	59.872	107	29.70	6
Feb. 10	41.502	133	37.69	254	45.189	178	30.31	179	55.140	135	21.06	235	59.979	138	29.64	21
20	41.635	178	35.15	228	45.367	215	28.52	187	55.275	178	18.71	209	60.117	167	29.43	39
März 2	41.813	221	32.87	191	45.582	249	26.65	189	55.453	220	16.62	173	60.284	195	29.04	58
12	42.034	260	30.96	146	45.831	282	24.76	190	55.673	259	14.89	130	60.479	223	28.46	78
22	42.294	295	29.50	95	46.113	311	22.86	187	55.932	293	13.59	80	60.702	249	27.68	98
Apr. 1	42.589	324	28.55	41	46.424	337	20.99	181	56.225	322	12.79	27	60.951	273	26.70	117
11	42.913	347	28.14	17	46.761	359	19.18	172	56.547	345	12.52	28	61.224	292	25.53	135
21	43.260	361	28.31	73	47.120	376	17.46	158	56.892	361	12.80	83	61.516	307	24.18	148
Mai 1	43.621	367	29.04	128	47.496	386	15.88	142	57.253	367	13.63	136	61.823	318	22.70	159
11	43.988	363	30.32	176	47.882	390	14.46	120	57.620	367	14.99	184	62.141	323	21.11	165
21	44.351	352	32.08	222	48.272	384	13.26	98	57.987	357	16.83	228	62.464	319	19.46	166
31	44.703	330	34.30	258	48.656	371	12.28	71	58.344	337	19.11	264	62.783	310	17.80	163
Juni 10	45.033	301	36.88	289	49.027	349	11.57	42	58.681	310	21.75	294	63.093	290	16.17	155
20	45.334	264	39.77	312	49.376	318	11.15	14	58.991	276	24.69	315	63.383	267	14.62	143
30	45.598	219	42.89	326	49.694	279	11.01	15	59.267	233	27.84	328	63.650	235	13.19	129
Juli 10	45.817	171	46.15	332	49.973	233	11.16	43	59.500	187	31.12	336	63.885	198	11.90	110
20	45.988	119	49.47	333	50.206	182	11.59	68	59.687	137	34.48	334	64.083	157	10.80	91
30	46.107	64	52.80	323	50.388	126	12.27	90	59.824	84	37.82	325	64.240	111	9.89	71
Aug. 8	46.171	10	56.03	309	50.514	70	13.17	108	59.908	31	41.07	311	64.351	66	9.18	51
18	46.181	42	59.12	288	50.584	12	14.25	120	59.939	20	44.18	290	64.417	20	8.67	31
28	46.139	92	62.00	261	50.596	42	15.45	127	59.919	68	47.08	265	64.437	23	8.36	13
Sept. 7	46.047	134	64.61	230	50.554	91	16.72	127	59.851	110	49.73	233	64.414	61	8.23	3
17	45.913	171	66.91	194	50.463	132	17.99	122	59.741	145	52.06	198	64.353	94	8.26	15
27	45.742	199	68.85	155	50.331	165	19.21	109	59.596	174	54.04	160	64.259	119	8.41	26
Okt. 7	45.543	220	70.40	111	50.166	188	20.30	92	59.422	194	55.64	118	64.140	137	8.67	34
17	45.323	229	71.51	66	49.978	197	21.22	70	59.228	205	56.82	75	64.003	144	9.01	38
27	45.094	230	72.17	19	49.781	197	21.92	43	59.023	206	57.57	28	63.859	144	9.39	42
Nov. 6	44.864	223	72.36	30	49.584	185	22.35	17	58.817	200	57.85	17	63.715	136	9.81	42
16	44.641	206	72.06	77	49.399	163	22.52	12	58.617	184	57.68	64	63.579	119	10.23	43
26	44.435	182	71.29	124	49.236	135	22.40	41	58.433	162	57.04	109	63.460	97	10.66	41
Dez. 6	44.253	152	70.05	167	49.101	99	21.99	68	58.271	135	55.95	150	63.363	72	11.07	38
16	44.101	118	68.38	205	49.002	59	21.31	93	58.136	101	54.45	186	63.291	42	11.45	35
26	43.983	77	66.33	237	48.943	16	20.38	115	58.035	64	52.59	217	63.249	10	11.80	30
36	43.906		63.96		48.927		19.23		57.971		50.42		63.239		12.10	
Mittl. Ort	42.698		43.79		45.216		26.18		56.189		26.27		60.069		23.87	
sec δ, tg δ	1.323		+0.867		1.285		−0.807		1.276		+0.793		1.021		−0.206	
a, *a'*	+2.2		+13.8		+3.8		+14.1		+2.3		+14.4		+3.3		+14.5	
b, *b'*	+0.04		+ 0.72		−0.04		+ 0.71		+0.04		+ 0.69		−0.01		+ 0.69	

¹) Die jährliche Parallaxe (0.″30) ist bereits berücksichtigt.

Tag	795) Br 2777 AR.		795) Br 2777 Dekl.		797) ζ Cygni AR.		797) ζ Cygni Dekl.		800) α Equulei AR.		800) α Equulei Dekl.		803) α Cephei AR.		803) α Cephei Dekl.	
1934	21h 6m		+77° 51′		21h 10m		+29° 57′		21h 12m		+4° 58′		21h 16m		+62° 18′	
Jan. 1	44.32	59	43.40	262	6.700	35	22.79	212	31.070	3	24.67	110	57.74	21	29.44	261
11	43.73	42	40.78	294	6.665	0	20.67	226	31.067	28	23.57	111	57.53	13	26.83	291
21	43.31	22	37.84	317	6.665	38	18.41	230	31.095	59	22.46	105	57.40	6	23.92	310
31	43.09	3	34.67	326	6.703	76	16.11	225	31.154	90	21.41	95	57.34	2	20.82	318
Feb. 10	43.06	16	31.41	322	6.779	115	13.86	210	31.244	121	20.46	78	57.36	10	17.64	311
20	43.22	36	28.19	305	6.894	153	11.76	186	31.365	152	19.68	57	57.46	19	14.53	292
März 2	43.58	54	25.14	276	7.047	191	9.90	153	31.517	181	19.11	30	57.65	27	11.61	262
12	44.12	70	22.38	235	7.238	226	8.37	113	31.698	210	18.81	0	57.92	34	8.99	220
22	44.82	83	20.03	186	7.464	257	7.24	67	31.908	237	18.81	32	58.26	40	6.79	170
Apr. 1	45.65	94	18.17	130	7.721	286	6.57	19	32.145	262	19.13	64	58.66	46	5.09	113
11	46.59	102	16.87	69	8.007	309	6.38	32	32.407	282	19.77	97	59.12	50	3.96	53
21	47.61	106	16.18	6	8.316	326	6.70	82	32.689	299	20.74	127	59.62	52	3.43	10
Mai 1	48.67	107	16.12	57	8.642	335	7.52	129	32.988	308	22.01	153	60.14	54	3.53	71
11	49.74	104	16.69	116	8.977	337	8.81	173	33.296	314	23.54	176	60.68	53	4.24	131
21	50.78	97	17.85	174	9.314	330	10.54	211	33.610	311	25.30	193	61.21	52	5.55	186
31	51.75	90	19.59	224	9.644	316	12.65	243	33.921	301	27.23	205	61.73	48	7.41	235
Juni 10	52.65	78	21.83	269	9.960	294	15.08	267	34.222	283	29.28	211	62.21	44	9.76	279
20	53.43	64	24.52	307	10.254	264	17.75	286	34.505	259	31.39	212	62.65	38	12.55	313
30	54.07	49	27.59	335	10.518	228	20.61	297	34.764	229	33.51	206	63.03	31	15.68	340
Juli 10	54.56	34	30.94	357	10.746	185	23.58	300	34.993	192	35.57	198	63.34	24	19.08	359
20	54.90	17	34.51	370	10.931	140	26.58	296	35.185	151	37.55	184	63.58	16	22.67	370
30	55.07	0	38.21	375	11.071	92	29.54	288	35.336	108	39.39	167	63.74	8	26.37	373
Aug. 8*)	[3] 55.07	17	41.96	372	11.163	43	32.42	272	35.444	63	41.06	148	63.82	1	30.10	366
18	54.90	33	45.68	361	[9] 11.206	5	35.14	251	[10] 35.507	19	42.54	127	[11] 63.81	8	33.76	354
28	54.57	49	49.29	343	11.201	49	37.65	227	35.526	21	43.81	105	63.73	15	37.30	333
Sept. 7	54.08	63	52.72	317	11.152	90	39.92	198	35.505	60	44.86	82	63.58	22	40.63	306
17	53.45	76	55.89	286	11.062	124	41.90	166	35.445	91	45.68	59	63.36	29	43.69	273
27	52.69	87	58.75	248	10.938	151	43.56	131	35.354	116	46.27	37	63.07	34	46.42	233
Okt. 7	51.82	95	61.23	203	10.787	170	44.87	94	35.238	133	46.64	16	62.73	38	48.75	189
17	50.87	101	63.26	154	10.617	181	45.81	55	35.105	142	46.80	5	62.35	40	50.64	139
27	49.86	105	64.80	100	10.436	183	46.36	14	34.963	143	46.75	24	61.95	42	52.03	86
Nov. 6	48.81	106	65.80	44	10.253	177	46.50	26	34.820	135	46.51	43	61.53	42	52.89	30
16	47.75	104	66.24	16	10.076	165	46.24	66	34.685	123	46.08	60	61.11	41	53.19	28
26	46.71	99	66.08	76	9.911	145	45.58	105	34.562	103	45.48	76	60.70	39	52.91	85
Dez. 6	45.72	92	65.32	134	9.766	120	44.53	141	34.459	79	44.72	89	60.31	35	52.06	140
16	44.80	81	63.98	187	9.646	91	43.12	173	34.380	52	43.83	100	59.96	30	50.66	192
26	43.99	67	62.11	236	9.555	59	41.39	199	34.328	24	42.83	108	59.66	25	48.74	237
36	43.32		59.75		9.496		39.40		34.304		41.75		59.41		46.37	
Mittl. Ort	51.25		33.05		7.567		19.07		31.509		26.22		60.33		19.63	
sec δ, tg δ	4.755		+4.648		1.154		+0.576		1.004		+0.087		2.152		+1.905	
a, *a'*	—1.2		+14.6		+2.6		+14.8		+3.0		+14.9		+1.4		+15.2	
b, *b'*	+0.23		+ 0.69		+0.03		+ 0.68		0.00		+ 0.67		+0.10		+ 0.65	

*) Bei Stern 797), 800) und 803) lies Aug. 9

Tag	804) ι Pegasi AR.		804) ι Pegasi Dekl.		805) γ Pavonis AR.		805) γ Pavonis Dekl.		806) ζ Capricorni AR.		806) ζ Capricorni Dekl.		809) β Cephei AR.		809) β Cephei Dekl.	
1934	21h 19m		+19° 31′		21h 20m		−65° 39′		21h 22m		−22° 41′		21h 27m		+70° 15′	
Jan. 1	1.395	24	18.22	170	59.89	10	72.67	255	53.935	4	61.26	35	45.20	36	86.40	249
11	1.371	7	16.52	179	59.79	2	70.12	282	53.931	30	60.91	50	44.84	26	83.91	284
21	1.378	41	14.73	180	59.77	6	67.30	301	53.961	63	60.41	64	44.58	15	81.07	309
31	1.419	74	12.93	173	59.83	15	64.29	314	54.024	95	59.77	79	44.43	4	77.98	321
Feb. 10	1.493	109	11.20	158	59.98	23	61.15	318	54.119	127	58.98	93	44.39	8	74.77	320
20	1.602	143	9.62	136	60.21	30	57.97	316	54.246	160	58.05	109	44.47	20	71.57	307
März 2	1.745	177	8.26	105	60.51	37	54.81	308	54.406	190	56.96	123	44.67	31	68.50	280
12	1.922	208	7.21	70	60.88	44	51.73	293	54.596	221	55.73	137	44.98	41	65.70	243
22	2.130	239	6.51	29	61.32	50	48.80	272	54.817	250	54.36	149	45.39	51	63.27	195
Apr. 1	2.369	265	6.22	13	61.82	55	46.08	247	55.067	276	52.87	158	45.90	59	61.32	142
11	2.634	289	6.35	57	62.37	60	43.61	216	55.343	299	51.29	166	46.49	64	59.90	81
21	2.923	306	6.92	98	62.97	62	41.45	182	55.642	318	49.63	169	47.13	69	59.09	20
Mai 1	3.229	318	7.90	139	63.59	65	39.63	143	55.960	332	47.94	168	47.82	70	58.89	43
11	3.547	322	9.29	174	64.24	66	38.20	101	56.292	339	46.26	164	48.52	70	59.32	105
21	3.869	320	11.03	204	64.90	65	37.19	58	56.631	339	44.62	154	49.22	68	60.37	162
31	4.189	308	13.07	228	65.55	63	36.61	13	56.970	332	43.08	141	49.90	63	61.99	214
Juni 10	4.497	289	15.35	247	66.18	60	36.48	31	57.302	316	41.67	124	50.53	57	64.13	260
20	4.786	264	17.82	259	66.78	55	36.79	76	57.618	292	40.43	104	51.10	50	66.73	300
30	5.050	232	20.41	263	67.33	49	37.55	116	57.910	262	39.39	82	51.60	41	69.73	332
Juli 10	5.282	194	23.04	263	67.82	41	38.71	154	58.172	225	38.57	57	52.01	32	73.05	355
20	5.476	152	25.67	255	68.23	32	40.25	185	58.397	182	38.00	33	52.33	21	76.60	371
30	5.628	107	28.22	243	68.55	22	42.10	210	58.579	136	37.67	10	52.54	10	80.31	377
Aug. 9	5.735	61	30.65	227	[12] 68.77	13	44.20	229	58.715	87	37.57	12	52.64	1	84.08	377
18	[12] 5.796	16	32.92	206	68.90	2	46.49	237	[13] 58.802	39	37.69	32	[14] 52.63	11	87.85	368
28	5.812	27	34.98	182	68.92	8	48.86	237	58.841	8	38.01	48	52.52	21	91.53	352
Sept. 7	5.785	65	36.80	156	68.84	17	51.23	227	58.833	50	38.49	59	52.31	31	95.05	328
17	5.720	99	38.36	127	68.67	26	53.50	209	58.783	88	39.08	68	52.00	40	98.33	298
27	5.621	124	39.63	97	68.41	33	55.59	179	58.695	117	39.76	71	51.60	46	101.31	261
Okt. 7	5.497	143	40.60	67	68.08	39	57.38	144	58.578	138	40.47	69	51.14	52	103.92	218
17	5.354	154	41.27	34	67.69	41	58.82	100	58.440	150	41.16	65	50.62	57	106.10	170
27	5.200	157	41.61	2	67.28	44	59.82	51	58.290	153	41.81	56	50.05	60	107.80	117
Nov. 6	5.043	151	41.63	30	66.84	43	60.33	0	58.137	147	42.37	45	49.45	61	108.97	60
16	4.892	141	41.33	61	66.41	40	60.33	52	57.990	133	42.82	32	48.84	60	109.57	1
26	4.751	122	40.72	91	66.01	36	59.81	104	57.857	113	43.14	18	48.24	58	109.58	58
Dez. 6	4.629	100	39.81	119	65.65	31	58.77	153	57.744	88	43.32	4	47.66	55	109.00	117
16	4.529	74	38.62	142	65.34	24	57.24	197	57.656	58	43.36	11	47.11	48	107.83	171
26	4.455	45	37.20	161	65.10	16	55.27	234	57.598	27	43.25	26	46.63	41	106.12	222
36	4.410		35.59		64.94		52.93		57.571		42.99		46.22		103.90	
Mittl. Ort	2.011		16.18		60.55		59.08		54.150		53.90		48.99		74.61	
sec δ, tg δ	1.061		+0.355		2.427		−2.211		1.084		−0.418		2.962		+2.788	
a, *a′*	+2.8		+15.3		+5.0		+15.4		+3.4		+15.5		+0.8		+15.8	
b, *b′*	+0.02		+ 0.65		−0.11		+ 0.64		−0.02		+ 0.63		+0.15		+ 0.62	

Tag	808) β Aquarii AR.		808) β Aquarii Dekl.		810) ν Octantis AR.		810) ν Octantis Dekl.		811) 74 Cygni AR.		811) 74 Cygni Dekl.		815) ε Pegasi AR.		815) ε Pegasi Dekl.	
1934	$21^h 28^m$		$-5° 51'$		$21^h 34^m$		$-77° 40'$		$21^h 34^m$		$+40° 6'$		$21^h 40^m$		$+9° 34'$	
Jan. 1	4.863	9	48.38	53	10.99	36	80.58	290	17.050	85	66.15	221	56.272	29	18.22	122
11	4.854	21	48.91	48	10.63	19	77.68	321	16.965	47	63.94	244	56.243	1	17.00	124
21	4.875	50	49.39	38	10.44	3	74.47	342	16.918	6	61.50	257	56.242	28	15.76	124
31	4.925	80	49.77	25	10.41	14	71.05	355	16.912	38	58.93	259	56.270	59	14.52	114
Feb. 10	5.005	111	50.02	10	10.55	30	67.50	359	16.950	84	56.34	250	56.329	90	13.38	100
20	5.116	141	50.12	10	10.85	46	63.91	354	17.034	130	53.84	231	56.419	122	12.38	80
März 2	5.257	171	50.02	32	11.31	60	60.37	343	17.164	176	51.53	202	56.541	155	11.58	53
12	5.428	201	49.70	55	11.91	73	56.94	323	17.340	219	49.51	163	56.696	186	11.05	24
22	5.629	228	49.15	80	12.64	86	53.71	298	17.559	260	47.88	117	56.882	217	10.81	10
Apr. 1	5.857	255	48.35	104	13.50	96	50.73	266	17.819	297	46.71	67	57.099	246	10.91	45
11	6.112	277	47.31	127	14.46	104	48.07	230	18.116	326	46.04	13	57.345	270	11.36	81
21	6.389	297	46.04	147	15.50	111	45.77	188	18.442	350	45.91	42	57.615	292	12.17	115
Mai 1	6.686	310	44.57	163	16.61	115	43.89	143	18.792	364	46.33	95	57.907	306	13.32	146
11	6.996	317	42.94	175	17.76	117	42.46	95	19.156	371	47.28	146	58.213	316	14.78	173
21	7.313	318	41.19	183	18.93	117	41.51	45	19.527	366	48.74	192	58.529	317	16.51	195
31	7.631	310	39.36	185	20.10	114	41.06	5	19.893	353	50.66	233	58.846	311	18.46	212
Juni 10	7.941	297	37.51	182	21.24	107	41.11	55	20.246	331	52.99	267	59.157	297	20.58	223
20	8.238	274	35.69	175	22.31	99	41.66	103	20.577	301	55.66	293	59.454	276	22.81	229
30	8.512	246	33.94	162	23.30	88	42.69	149	20.878	263	58.59	313	59.730	248	25.10	228
Juli 10	8.758	211	32.32	148	24.18	74	44.18	188	21.141	218	61.72	324	59.978	214	27.38	222
20	8.969	171	30.84	130	24.92	58	46.06	223	21.359	169	64.96	330	60.192	176	29.60	212
30	9.140	129	29.54	110	25.50	41	48.29	250	21.528	117	68.26	326	60.368	133	31.72	197
Aug. 9	9.269	84	28.44	88	25.91	23	50.79	267	21.645	65	71.52	317	60.501	88	33.69	179
18	[14] 9.353	39	27.56	67	[15] 26.14	3	53.46	277	[15] 21.710	11	74.69	301	[17] 60.589	44	35.48	158
28	9.392	4	26.89	47	26.17	16	56.23	275	21.721	38	77.70	279	60.633	3	37.06	136
Sept. 7	9.388	43	26.42	28	26.01	34	58.98	262	21.683	85	80.49	252	60.636	37	38.42	111
17	9.345	76	26.14	10	25.67	52	61.60	240	21.598	125	83.01	221	60.599	70	39.53	87
27	9.269	104	26.04	6	25.15	66	64.00	207	21.473	158	85.22	185	60.529	98	40.40	63
Okt. 7	9.165	122	26.10	19	24.49	77	66.07	165	21.315	184	87.07	145	60.431	119	41.03	39
17	9.043	135	26.29	29	23.72	86	67.72	116	21.131	201	88.52	103	60.312	132	41.42	14
27	8.908	137	26.58	39	22.86	91	68.88	60	20.930	210	89.55	58	60.180	138	41.56	9
Nov. 6	8.771	133	26.97	45	21.95	92	69.48	1	20.720	209	90.13	11	60.042	135	41.47	31
16	8.638	121	27.42	51	21.03	89	69.49	59	20.511	203	90.24	36	59.907	127	41.16	53
26	8.517	104	27.93	55	20.14	82	68.90	117	20.308	188	89.88	83	59.780	114	40.63	73
Dez. 6	8.413	82	28.48	57	19.32	73	67.73	173	20.120	167	89.05	127	59.666	95	39.90	90
16	8.331	56	29.05	58	18.59	61	66.00	224	19.953	140	87.78	168	59.571	72	39.00	105
26	8.275	30	29.63	56	17.98	46	63.76	267	19.813	109	86.10	203	59.499	48	37.95	117
36	8.245		30.19		17.52		61.09		19.704		84.07		59.451		36.78	
Mittl. Ort	5.143		44.86		12.48		66.02		18.104		58.59		56.651		17.45	
sec δ, tg δ	1.005		−0.103		4.688		−4.581		1.308		+0.843		1.014		+0.169	
a, *a'*	+3.2		+15.8		+6.7		+16.1		+2.4		+16.1		+2.9		+16.5	
b, *b'*	−0.01		+ 0.62		−0.25		+ 0.59		+0.05		+ 0.59		+0.01		+ 0.57	

Scheinbare Sternörter 1934

Tag	819) δ Capricorni AR.		819) δ Capricorni Dekl.		821) π^2 Cygni AR.		821) π^2 Cygni Dekl.		822) γ Gruis AR.		822) γ Gruis Dekl.		823) 16 Pegasi AR.		823) 16 Pegasi Dekl.	
1934	$21^h 43^m$		−16° 25′		$21^h 44^m$		+48° 59′		$21^h 49^m$		−37° 40′		$21^h 50^m$		+25° 36′	
Jan. 1	23.875	20	45.38	0	19.822	135	82.60	227	56.199	44	44.71	107	2.871	59	55.29	174
11	23.855	9	45.38	12	19.687	90	80.33	256	56.155	7	43.64	132	2.812	29	53.55	189
21	23.864	39	45.26	27	19.597	42	77.77	275	56.148	31	42.32	153	2.783	3	51.66	197
31	23.903	71	44.99	42	19.555	11	75.02	284	56.179	69	40.79	173	2.786	37	49.69	195
Feb. 10	23.974	101	44.57	59	19.566	65	72.18	279	56.248	107	39.06	189	2.823	73	47.74	185
20	24.075	132	43.98	76	19.631	121	69.39	263	56.355	145	37.17	203	2.896	110	45.89	166
März 2	24.207	163	43.22	95	19.752	177	66.76	237	56.500	183	35.14	212	3.006	148	44.23	139
12	24.370	195	42.27	113	19.929	230	64.39	200	56.683	220	33.02	219	3.154	185	42.84	106
22	24.565	225	41.14	140	20.159	280	62.39	155	56.903	255	30.83	221	3.339	221	41.78	65
Apr. 1	24.790	253	39.74	136	20.439	325	60.84	103	57.158	289	28.62	221	3.560	253	41.13	22
11	25.043	279	38.38	160	20.764	360	59.81	48	57.447	319	26.41	216	3.813	282	40.91	23
21	25.322	300	36.78	170	21.124	389	59.33	11	57.766	345	24.25	206	4.095	306	41.14	69
Mai 1	25.622	317	35.08	176	21.513	407	59.44	67	58.111	365	22.19	191	4.401	323	41.83	114
11	25.939	327	33.32	177	21.920	415	60.11	123	58.476	379	20.28	172	4.724	332	42.97	154
21	26.266	331	31.55	175	22.335	411	61.34	175	58.855	384	18.56	149	5.056	334	44.51	191
31	26.597	326	29.80	167	22.746	397	63.09	221	59.239	380	17.07	123	5.390	328	46.42	222
Juni 10	26.923	314	28.13	156	23.143	372	65.30	261	59.619	368	15.84	93	5.718	312	48.64	246
20	27.237	295	26.57	139	23.515	337	67.91	295	59.987	347	14.91	61	6.030	290	51.10	266
30	27.532	267	25.18	120	23.852	295	70.86	320	60.334	315	14.30	28	6.320	260	53.76	277
Juli 10	27.799	233	23.98	98	24.147	246	74.06	337	60.649	278	14.02	6	6.580	223	56.53	282
20	28.032	194	23.00	75	24.393	190	77.43	348	60.927	232	14.08	37	6.803	182	59.35	280
30	28.226	150	22.25	52	24.583	132	80.91	351	61.159	181	14.45	67	6.985	138	62.15	274
Aug. 9	28.376	105	21.73	27	24.715	72	84.42	345	61.340	127	15.12	93	7.123	91	64.89	261
18*)	18 28.481	58	21.46	6	18 24.787	13	87.87	333	19 61.467	70	16.05	114	19 7.214	45	67.50	243
28	28.539	12	21.40	13	24.800	45	91.20	314	61.537	16	17.19	130	7.259	0	69.93	221
Sept. 7	28.551	29	21.53	31	24.755	97	94.34	290	61.553	35	18.49	139	7.259	41	72.14	196
17	28.522	66	21.84	44	24.658	144	97.24	259	61.518	82	19.88	141	7.218	77	74.10	168
27	28.456	96	22.28	53	24.514	184	99.83	223	61.436	122	21.29	137	7.141	109	75.78	137
Okt. 7	28.360	119	22.81	58	24.330	216	102.06	183	61.314	151	22.66	126	7.032	131	77.15	105
17	28.241	133	23.39	60	24.114	239	103.89	138	61.163	172	23.92	109	6.901	147	78.20	70
27	28.108	139	23.99	58	23.875	253	105.27	90	60.991	183	25.01	86	6.754	156	78.90	34
Nov. 6	27.969	137	24.57	54	23.622	257	106.17	39	60.808	182	25.87	60	6.598	157	79.24	2
16	27.832	128	25.11	48	23.365	254	106.56	13	60.626	173	26.47	30	6.441	152	79.22	38
26	27.704	112	25.59	40	23.111	241	106.43	65	60.453	156	26.77	0	6.289	140	78.84	73
Dez. 6	27.592	92	25.99	30	22.870	221	105.78	115	60.297	132	26.77	31	6.149	124	78.11	106
16	27.500	67	26.29	20	22.649	194	104.63	163	60.165	102	26.46	62	6.025	102	77.05	136
26	27.433	40	26.49	7	22.455	159	103.00	205	60.063	68	25.84	90	5.923	78	75.69	162
36	27.393		26.56		22.296		100.95		59.995		24.94		5.845		74.07	
Mittl. Ort	24.024		39.69		21.188		72.49		56.266		34.42		3.463		49.96	
sec δ, tg δ	1.043		−0.295		1.524		+1.151		1.263		−0.772		1.109		+0.479	
a, *a′*	+3.3		+16.6		+2.2		+16.6		+3.6		+16.9		+2.7		+16.9	
b, *b′*	−0.02		+ 0.56		+0.06		+ 0.56		−0.04		+ 0.54		+0.03		+ 0.54	

*) Bei Stern 822) und 823) lies Aug. 19

Tag	827) α Aquarii AR.		827) α Aquarii Dekl.		828) ι Aquarii AR.		828) ι Aquarii Dekl.		830) 20 Cephei AR.		830) 20 Cephei Dekl.		829) α Gruis AR.		829) α Gruis Dekl.	
1934	$22^h\ 2^m$		−0° 38′		$22^h\ 2^m$		−14° 11′		$22^h\ 2^m$		+62° 27′		$22^h\ 4^m$		−47° 16′	
Jan. 1	23.500	36	29.58	73	52.418	36	30.96	12	57.87	27	61.50	214	4.927	82	66.52	145
11	23.464	12	30.31	69	52.382	9	31.08	1	57.60	21	59.36	254	4.845	40	65.07	177
21	23.452	15	31.00	62	52.373	19	31.07	16	57.39	14	56.82	284	4.805	3	63.30	204
31	23.467	44	31.62	51	52.392	48	30.91	31	57.25	7	53.98	301	4.808	48	61.26	226
Feb. 10	23.511	73	32.13	35	52.440	79	30.60	49	57.18	1	50.97	307	4.856	93	59.00	243
20	23.584	104	32.48	16	52.519	109	30.11	67	57.19	10	47.90	299	4.949	138	56.57	256
März 2	23.688	135	32.64	7	52.628	141	29.44	88	57.29	18	44.91	280	5.087	183	54.01	263
12	23.823	168	32.57	32	52.769	174	28.56	107	57.47	26	42.11	249	5.270	228	51.38	267
22	23.991	200	32.25	59	52.943	205	27.49	126	57.73	34	39.62	207	5.498	270	48.71	264
Apr. 1	24.191	229	31.66	88	53.148	236	26.23	145	58.07	41	37.55	158	5.768	310	46.07	257
11	24.420	258	30.78	114	53.384	264	24.78	161	58.48	46	35.97	103	6.078	348	43.50	245
21	24.678	281	29.64	140	53.648	288	23.17	173	58.94	50	34.94	44	6.426	377	41.05	227
Mai 1	24.959	300	28.24	161	53.936	308	21.44	182	59.44	54	34.50	17	6.803	404	38.78	206
11	25.259	312	26.63	179	54.244	320	19.62	187	59.98	54	34.67	77	7.207	422	36.72	178
21	25.571	318	24.84	192	54.564	328	17.75	186	60.52	55	35.44	134	7.629	431	34.94	147
31	25.889	317	22.92	200	54.892	327	15.89	182	61.07	53	36.78	188	8.060	429	33.47	113
Juni 10	26.206	306	20.92	203	55.219	317	14.07	171	61.60	49	38.66	236	8.489	419	32.34	76
20	26.512	290	18.89	200	55.536	301	12.36	156	62.09	45	41.02	278	8.908	397	31.58	36
30	26.802	265	16.89	192	55.837	276	10.80	139	62.54	40	43.80	312	9.305	365	31.22	3
Juli 10	27.067	234	14.97	181	56.113	244	9.41	118	62.94	33	46.92	339	9.670	324	31.25	41
20	27.301	197	13.16	164	56.357	208	8.23	94	63.27	26	50.31	359	9.994	275	31.66	78
30	27.498	157	11.52	146	56.565	165	7.29	70	63.53	18	53.90	370	10.269	218	32.44	112
Aug. 9	27.655	114	10.06	125	56.730	122	6.59	46	63.71	10	57.60	373	10.487	156	33.56	140
19	27.769	71	8.81	103	56.852	76	6.13	22	63.81	3	61.33	368	10.643	93	34.96	162
28	^{23}27.840	27	7.78	80	^{23}56.928	31	5.91	0	^{23}63.84	6	65.01	357	^{23}10.736	30	36.58	178
Sept. 7	27.867	12	6.98	59	56.959	11	5.91	18	63.78	13	68.58	338	10.766	32	38.36	186
17	27.855	48	6.39	37	56.948	49	6.09	34	63.65	20	71.96	311	10.734	88	40.22	186
27	27.807	78	6.02	18	56.899	80	6.43	47	63.45	25	75.07	279	10.646	136	42.08	177
Okt. 7	27.729	101	5.84	0	56.819	105	6.90	55	63.20	30	77.86	240	10.510	175	43.85	160
17	27.628	117	5.84	15	56.714	122	7.45	59	62.90	35	80.26	195	10.335	204	45.45	136
27	27.511	125	5.99	30	56.592	131	8.04	60	62.55	37	82.21	147	10.131	220	46.81	106
Nov. 6	27.386	126	6.29	42	56.461	132	8.64	59	62.18	39	83.68	93	9.911	225	47.87	71
16	27.260	122	6.71	52	56.329	127	9.23	54	61.79	40	84.61	36	9.686	220	48.58	32
26	27.138	111	7.23	60	56.202	114	9.77	48	61.39	39	84.97	22	9.466	203	48.90	8
Dez. 6	27.027	95	7.83	68	56.088	98	10.25	40	61.00	38	84.75	79	9.263	179	48.82	48
16	26.932	77	8.51	71	55.990	78	10.65	30	60.62	34	83.96	136	9.084	148	48.34	88
26	26.855	54	9.22	73	55.912	54	10.95	19	60.28	30	82.60	186	8.936	111	47.46	124
36	26.801		9.95		55.858		11.14		59.98		80.74		8.825		46.22	
Mittl. Ort	23.677		28.48		52.490		26.21		60.06		47.53		4.929		54.43	
sec δ, tg δ	1.000		−0.011		1.032		−0.253		2.163		+1.918		1.474		−1.083	
a, *a′*	+3.1		+17.5		+3.2		+17.5		+1.8		+17.5		+3.8		+17.5	
b, *b′*	0.00		+ 0.49		−0.01		+ 0.49		+0.11		+ 0.49		−0.06		+ 0.48	

Tag	834) ϑ Pegasi AR.	Δ	Dekl.	Δ	835) π Pegasi AR.	Δ	Dekl.	Δ	837) 24 Cephei AR.	Δ	Dekl.	Δ	836) ζ Cephei AR.	Δ	Dekl.	Δ
1934	22ʰ 6ᵐ		+5° 52′		22ʰ 7ᵐ		+32° 51′		22ʰ 8ᵐ		+72° 0′		22ʰ 8ᵐ		+57° 52′	
Jan. 1	52.016	44	21.63	98	2.578	89	21.60	181	28.91	48	72.76	202	31.952	223	45.11	209
11	51.972	19	20.65	100	2.489	58	19.79	203	28.43	39	70.74	247	31.729	175	43.02	246
21	51.953	8	19.65	96	2.431	26	17.76	217	28.04	28	68.27	282	31.554	117	40.56	275
31	51.961	36	18.69	87	2.405	11	15.59	221	27.76	17	65.45	305	31.437	54	37.81	293
Feb. 10	51.997	66	17.82	75	2.416	50	13.38	216	27.59	4	62.40	316	31.383	14	34.88	297
20	52.063	98	17.07	55	2.466	91	11.22	200	27.55	9	59.24	314	31.397	87	31.91	290
März 2	52.161	130	16.52	31	2.557	132	9.22	177	27.64	22	56.10	298	31.484	159	29.01	270
12	52.291	163	16.21	3	2.689	175	7.45	144	27.86	34	53.12	271	31.643	229	26.31	239
22	52.454	196	16.18	27	2.864	215	6.01	104	28.20	46	50.41	233	31.872	296	23.92	199
Apr. 1	52.650	227	16.45	58	3.079	253	4.97	60	28.66	57	48.08	186	32.168	355	21.93	150
11	52.877	256	17.03	90	3.332	287	4.37	12	29.23	64	46.22	131	32.523	407	20.43	96
21	53.133	280	17.93	121	3.619	314	4.25	38	29.87	71	44.91	73	32.930	446	19.47	38
Mai 1	53.413	300	19.14	149	3.933	335	4.63	86	30.58	75	44.18	12	33.376	474	19.09	21
11	53.713	312	20.63	173	4.268	348	5.49	132	31.33	77	44.06	50	33.850	489	19.30	80
21	54.025	319	22.36	193	4.616	352	6.81	174	32.10	76	44.56	109	34.339	491	20.10	136
31	54.344	317	24.29	206	4.968	348	8.55	213	32.86	74	45.65	165	34.830	477	21.46	189
Juni 10	54.661	308	26.35	215	5.316	334	10.68	244	33.60	69	47.30	217	35.307	453	23.35	235
20	54.969	291	28.50	219	5.650	311	13.12	268	34.29	63	49.47	262	35.760	416	25.70	275
30	55.260	266	30.69	216	5.961	282	15.80	288	34.92	55	52.09	301	36.176	369	28.45	309
Juli 10	55.526	235	32.85	209	6.243	245	18.68	298	35.47	45	55.10	333	36.545	313	31.54	335
20	55.761	199	34.94	197	6.488	203	21.66	303	35.92	35	58.43	356	36.858	250	34.89	353
30	55.960	159	36.91	181	6.691	157	24.69	301	36.27	24	61.99	373	37.108	182	38.42	363
Aug. 9	56.119	116	38.72	163	6.848	109	27.70	293	36.51	12	65.72	380	37.290	113	42.05	366
19	56.235	73	40.35	141	6.957	60	30.63	280	36.63	1	69.52	381	37.403	42	45.71	361
28	56.308	30	41.76	119	7.017	14	33.43	259	36.64	10	73.33	373	37.445	26	49.32	348
Sept. 7	56.338	10	42.95	97	7.031	31	36.02	237	36.54	21	77.06	357	37.419	91	52.80	329
17	56.328	45	43.92	72	7.000	71	38.39	208	36.33	30	80.63	335	37.328	151	56.09	303
27	56.283	75	44.64	50	6.929	104	40.47	177	36.03	40	83.98	305	37.177	203	59.12	270
Okt. 7	56.208	98	45.14	28	6.825	132	42.24	143	35.63	48	87.03	268	36.974	248	61.82	233
17	56.110	115	45.42	8	6.693	151	43.67	105	35.15	54	89.71	225	36.726	282	64.15	189
27	55.995	125	45.50	12	6.542	165	44.72	67	34.61	59	91.96	177	36.444	308	66.04	141
Nov. 6	55.870	126	45.38	31	6.377	170	45.39	26	34.02	63	93.73	122	36.136	324	67.45	88
16	55.744	123	45.07	48	6.207	168	45.65	16	33.39	65	94.95	64	35.812	329	68.33	34
26	55.621	113	44.59	63	6.039	161	45.49	56	32.74	64	95.59	5	35.483	325	68.67	22
Dez. 6	55.508	99	43.96	77	5.878	148	44.93	96	32.10	62	95.64	57	35.158	309	68.45	79
16	55.409	81	43.19	87	5.730	129	43.97	132	31.48	58	95.07	116	34.849	285	67.66	132
26	55.328	60	42.32	95	5.601	106	42.65	164	30.90	53	93.91	171	34.564	250	66.34	182
36	55.268		41.37		5.495		41.01		30.37		92.20		34.314		64.52	
Mittl. Ort	52.235		20.75		3.239		13.39		32.56		57.05		33.680		31.43	
sec δ, tg δ	1.005		+0.103		1.190		+0.646		3.239		+3.081		1.881		+1.593	
a, *a′*	+3.0		+17.7		+2.7		+17.7		+1.1		+17.7		+2.1		+17.7	
b, *b′*	+0.01		+ 0.47		+0.04		+ 0.47		+0.18		+ 0.47		+0.09		+ 0.47	

Tag	840) ϑ Aquarii AR.	Δ	840) ϑ Aquarii Dekl.	Δ	841) α Tucanae AR.	Δ	841) α Tucanae Dekl.	Δ	842) γ Aquarii AR.	Δ	842) γ Aquarii Dekl.	Δ	844) 3 Lacertae AR.	Δ	844) 3 Lacertae Dekl.	Δ
1934	$22^h 13^m$		—8° 6′		$22^h 13^m$		—60° 34′		$22^h 18^m$		—1° 42′		$22^h 20^m$		+51° 53′	
Jan. 1	$21^s.084$	43	48″.30	39	$59^s.77$	16	96″.43	199	$14^s.780$	47	75″.21	65	$56^s.411$	185	65″.57	194
11	21.041	18	48.69	30	59.61	11	94.44	235	14.733	24	75.86	62	56.226	146	63.63	232
21	21.023	8	48.99	19	59.50	5	92.09	265	14.709	1	76.48	53	56.080	99	61.31	258
31	21.031	35	49.18	5	59.45	2	89.44	290	14.710	29	77.01	42	55.981	49	58.73	275
Feb. 10	21.066	65	49.23	13	59.47	8	86.54	307	14.739	58	77.43	26	55.932	8	55.98	280
20	21.131	96	49.10	31	59.55	14	83.47	317	14.797	88	77.69	8	55.940	68	53.18	274
März 2	21.227	128	48.79	53	59.69	21	80.30	321	14.885	120	77.77	15	56.008	129	50.44	255
12	21.355	160	48.26	75	59.90	27	77.09	318	15.005	154	77.62	40	56.137	190	47.89	227
22	21.515	192	47.51	99	60.17	33	73.91	309	15.159	186	77.22	67	56.327	250	45.62	187
Apr. 1	21.707	224	46.52	122	60.50	39	70.82	294	15.345	218	76.55	93	56.577	303	43.75	142
11	21.931	253	45.30	143	60.89	43	67.88	273	15.563	248	75.62	119	56.880	350	42.33	90
21	22.184	278	43.87	161	61.32	48	65.15	245	15.811	273	74.43	143	57.230	389	41.43	34
Mai 1	22.462	299	42.26	175	61.80	52	62.70	214	16.084	295	73.00	164	57.619	417	41.09	23
11	22.761	314	40.51	187	62.32	54	60.56	177	16.379	310	71.36	181	58.036	435	41.32	79
21	23.075	322	38.64	193	62.86	55	58.79	136	16.689	319	69.55	194	58.471	441	42.11	134
31	23.397	322	36.71	193	63.41	56	57.43	93	17.008	319	67.61	201	58.912	434	43.45	183
Juni 10	23.719	314	34.78	189	63.97	54	56.50	47	17.327	313	65.60	203	59.346	417	45.28	228
20	24.033	300	32.89	181	64.51	51	56.03	0	17.640	297	63.57	199	59.763	389	47.56	267
30	24.333	276	31.08	166	65.02	48	56.03	46	17.937	275	61.58	191	60.152	349	50.23	299
Juli 10	24.609	246	29.42	149	65.50	43	56.49	89	18.212	246	59.67	179	60.501	304	53.22	323
20	24.855	212	27.93	130	65.93	36	57.38	131	18.458	211	57.88	162	60.805	250	56.45	341
30	25.067	170	26.63	107	66.29	28	58.69	167	18.669	172	56.26	143	61.055	193	59.86	350
Aug. 9	25.237	128	25.56	84	66.57	21	60.36	197	18.841	129	54.83	122	61.248	132	63.36	353
19	25.365	84	24.72	60	66.78	12	62.33	219	18.970	86	53.61	99	61.380	70	66.89	347
28	[25]25.449	40	24.12	37	[25]66.90	4	64.52	234	[27]19.056	44	52.62	76	[27]61.450	10	70.36	334
Sept. 7	25.489	1	23.75	16	66.94	5	66.86	238	19.100	3	51.86	53	61.460	47	73.70	317
17	25.488	37	23.59	3	66.89	13	69.24	232	19.103	33	51.33	32	61.413	100	76.87	291
27	25.451	70	23.62	19	66.76	20	71.56	218	19.070	65	51.01	13	61.313	147	79.78	260
Okt. 7	25.381	94	23.81	32	66.56	25	73.74	194	19.005	89	50.88	5	61.166	185	82.38	224
17	25.287	112	24.13	42	66.31	30	75.68	160	18.916	107	50.93	19	60.981	220	84.62	182
27	25.175	122	24.55	49	66.01	33	77.28	120	18.809	118	51.12	33	60.761	241	86.44	137
Nov. 6	25.053	125	25.04	54	65.68	35	78.48	75	18.691	122	51.45	44	60.520	257	87.81	87
16	24.928	122	25.58	56	65.33	34	79.23	25	18.569	120	51.89	52	60.263	263	88.68	36
26	24.806	113	26.14	56	64.99	32	79.48	27	18.449	112	52.41	60	60.000	261	89.04	18
Dez. 6	24.693	98	26.70	53	64.67	30	79.21	77	18.337	99	53.01	64	59.739	251	88.86	71
16	24.595	81	27.23	50	64.37	26	78.44	127	18.238	83	53.65	67	59.488	232	88.15	122
26	24.514	59	27.73	45	64.11	21	77.17	171	18.155	63	54.32	67	59.256	205	86.93	169
36	24.455		28.18		63.90		75.46		18.092		54.99		59.051		85.24	
Mittl. Ort	21.147		45.45		59.80		82.31		14.872		74.33		57.654		52.04	
sec δ, tg δ	1.010		—0.143		2.037		—1.774		1.000		—0.030		1.621		+1.275	
a, *a*′	+3.2		+17.9		+4.1		+17.9		+3.1		+18.1		+2.4		+18.2	
b, *b*′	—0.01		+ 0.45		—0.11		+ 0.45		0.00		+ 0.43		+0.08		+ 0.42	

Tag	848) 7 Lacertae AR.		848) 7 Lacertae Dekl.		850) η Aquarii AR.		850) η Aquarii Dekl.		852) 10 Lacertae AR.		852) 10 Lacertae Dekl.		855) ζ Pegasi AR.		855) ζ Pegasi Dekl.	
1934	22h 28m		+49° 56′		22h 31m		−0° 27′		22h 36m		+38° 42′		22h 38m		+10° 29′	
	s		″		s		″		s		″		s		″	
Jan. 1	33.032	177	47.20	185	57.888	56	29.93	70	17.165	126	34.02	168	10.059	68	14.02	104
11	32.855	141	45.35	222	57.832	35	30.63	65	17.039	100	32.34	197	9.991	47	12.98	110
21	32.714	100	43.13	249	57.797	12	31.28	58	16.939	68	30.37	218	9.944	23	11.88	111
31	32.614	51	40.64	266	57.785	15	31.86	47	16.871	31	28.19	230	9.921	4	10.77	106
Feb. 10	32.563	1	37.98	272	57.800	43	32.33	33	16.840	11	25.89	232	9.925	32	9.71	95
20	32.564	58	35.26	267	57.843	74	32.66	14	16.851	54	23.57	224	9.957	64	8.76	79
März 2	32.622	117	32.59	249	57.917	106	32.80	9	16.905	101	21.33	206	10.021	98	7.97	56
12	32.739	176	30.10	221	58.023	140	32.71	34	17.006	149	19.27	178	10.119	133	7.41	31
22	32.915	233	27.89	185	58.163	174	32.37	60	17.155	196	17.49	142	10.252	169	7.10	0
Apr. 1	33.148	286	26.04	139	58.337	207	31.77	87	17.351	240	16.07	100	10.421	204	7.10	33
11	33.434	332	24.65	89	58.544	238	30.90	114	17.591	281	15.07	53	10.625	237	7.43	67
21	33.766	372	23.76	35	58.782	266	29.76	140	17.872	316	14.54	4	10.862	266	8.10	100
Mai 1	34.138	402	23.41	21	59.048	289	28.36	161	18.188	344	14.50	48	11.128	290	9.10	132
11	34.540	421	23.62	77	59.337	307	26.75	180	18.532	363	14.98	97	11.418	309	10.42	160
21	34.961	428	24.39	129	59.644	318	24.95	194	18.895	373	15.95	143	11.727	320	12.02	185
31	35.389	425	25.68	179	59.962	320	23.01	203	19.268	373	17.38	186	12.047	323	13.87	204
Juni 10	35.814	410	27.47	224	60.282	315	20.98	206	19.641	364	19.24	225	12.370	318	15.91	218
20	36.224	385	29.71	262	60.597	303	18.92	205	20.005	345	21.49	255	12.688	305	18.09	227
30	36.609	350	32.33	293	60.900	281	16.87	197	20.350	318	24.04	282	12.993	284	20.36	229
Juli 10	36.959	306	35.26	318	61.181	255	14.90	186	20.668	283	26.86	299	13.277	257	22.65	227
20	37.265	256	38.44	336	61.436	221	13.04	170	20.951	241	29.85	311	13.534	224	24.92	218
30	37.521	202	41.80	344	61.657	183	11.34	152	21.192	195	32.96	316	13.758	186	27.10	207
Aug. 9	37.723	143	45.24	347	61.840	142	9.82	130	21.387	147	36.12	313	13.944	145	29.17	190
19	37.866	84	48.71	343	61.982	99	8.52	108	21.534	96	39.25	305	14.089	102	31.07	171
29	37.950	27	52.14	331	62.081	57	7.44	84	21.630	47	42.30	291	14.191	59	32.78	149
Sept. 7	29 37.977	30	55.45	313	30 62.138	16	6.60	62	31 21.677	1	45.21	271	1 14.250	20	34.27	126
17	37.947	80	58.58	289	62.154	21	5.98	40	21.676	44	47.92	247	14.270	17	35.53	103
27	37.867	127	61.47	258	62.133	53	5.58	19	21.632	83	50.39	217	14.253	50	36.56	78
Okt. 7	37.740	165	64.05	224	62.080	79	5.39	1	21.549	116	52.56	185	14.203	76	37.34	54
17	37.575	197	66.29	183	62.001	98	5.38	15	21.433	142	54.41	148	14.127	97	37.88	30
27	37.378	220	68.12	139	61.903	112	5.53	30	21.291	161	55.89	108	14.030	110	38.18	8
Nov. 6	37.158	236	69.51	91	61.791	117	5.83	42	21.130	174	56.97	66	13.920	119	38.26	14
16	36.922	244	70.42	40	61.674	118	6.25	51	20.956	179	57.63	21	13.801	120	38.12	35
26	36.678	243	70.82	11	61.556	112	6.76	59	20.777	179	57.84	23	13.681	116	37.77	55
Dez. 6	36.435	235	70.71	64	61.444	102	7.35	66	20.598	172	57.61	66	13.565	109	37.22	72
16	36.200	219	70.07	114	61.342	88	8.01	69	20.426	159	56.95	109	13.456	96	36.50	87
26	35.981	196	68.93	160	61.254	71	8.70	70	20.267	142	55.86	147	13.360	81	35.63	99
36	35.785		67.33		61.183		9.40		20.125		54.39		13.279		34.64	
Mittl. Ort	34.116		33.53		57.923		29.89		17.794		22.47		10.174		10.48	
sec δ, tg δ	1.554		+1.189		1.000		−0.008		1.281		+0.801		1.017		+0.185	
a, *a′*	+2.5		+18.5		+3.1		+18.6		+2.7		+18.7		+3.0		+18.8	
b, *b′*	+0.07		+ 0.39		0.00		+ 0.37		+0.05		+ 0.36		+0.01		+ 0.35	

Tag	856) β Gruis AR.		856) β Gruis Dekl.		857) η Pegasi AR.		857) η Pegasi Dekl.		859) λ Pegasi AR.		859) λ Pegasi Dekl.		860) ε Gruis AR.		860) ε Gruis Dekl.	
1934	$22^h\ 38^m$		$-47°\ 13'$		$22^h\ 39^m$		$+29°\ 52'$		$22^h\ 43^m$		$+23°\ 12'$		$22^h\ 44^m$		$-51°\ 39'$	
	s		"		s		"		s		"		s		"	
Jan. 1	44.225	122	62.39	124	53.938	101	40.98	151	20.730	88	71.77	135	34.866	150	65.41	138
11	44.103	86	61.15	161	53.837	77	39.47	174	20.642	67	70.42	153	34.716	111	64.03	177
21	44.017	48	59.54	193	53.760	50	37.73	189	20.575	42	68.89	163	34.605	70	62.26	211
31	43.969	7	57.61	220	53.710	19	35.84	196	20.533	14	67.26	166	34.535	24	60.15	241
Feb. 10	43.962	37	55.41	244	53.691	16	33.88	194	20.519	19	65.60	162	34.511	24	57.74	265
20	43.999	82	52.97	262	53.707	55	31.94	184	20.538	54	63.98	149	34.535	73	55.09	284
März 2	44.081	127	50.35	275	53.762	95	30.10	164	20.592	92	62.49	129	34.608	124	52.25	295
12	44.208	174	47.60	282	53.857	138	28.46	136	20.684	131	61.20	102	34.732	175	49.30	303
22	44.382	221	44.78	286	53.995	180	27.10	102	20.815	170	60.18	70	34.907	226	46.27	303
Apr. 1	44.603	265	41.92	283	54.175	220	26.08	63	20.985	209	59.48	32	35.133	274	43.24	298
11	44.868	307	39.09	273	54.395	257	25.45	19	21.194	245	59.16	9	35.407	321	40.26	288
21	45.175	345	36.36	260	54.652	291	25.26	27	21.439	277	59.25	50	35.728	364	37.38	270
Mai 1	45.520	378	33.76	240	54.943	317	25.53	72	21.716	302	59.75	91	36.092	399	34.68	247
11	45.898	403	31.36	214	55.260	336	26.25	115	22.018	322	60.66	130	36.491	428	32.21	219
21	46.301	420	29.22	185	55.596	347	27.40	157	22.340	334	61.96	166	36.919	447	30.02	186
31	46.721	428	27.37	150	55.943	348	28.97	193	22.674	336	63.62	197	37.366	457	28.16	148
Juni 10	47.149	424	25.87	112	56.291	342	30.90	224	23.010	332	65.59	222	37.823	455	26.68	107
20	47.573	411	24.75	72	56.633	326	33.14	250	23.342	317	67.81	243	38.278	441	25.61	64
30	47.984	386	24.03	30	56.959	303	35.64	268	23.659	296	70.24	256	38.719	417	24.97	19
Juli 10	48.370	352	23.73	13	57.262	271	38.32	281	23.955	267	72.80	264	39.136	382	24.78	26
20	48.722	309	23.86	53	57.533	234	41.13	287	24.222	232	75.44	265	39.518	335	25.04	69
30	49.031	257	24.39	92	57.767	192	44.00	286	24.454	192	78.09	261	39.853	281	25.73	109
Aug. 9	49.288	199	25.31	127	57.959	148	46.86	280	24.646	150	80.70	252	40.134	219	26.82	145
19	49.487	138	26.58	155	58.107	101	49.66	269	24.796	106	83.22	237	40.353	154	28.27	174
29	49.625	75	28.13	178	58.208	55	52.35	252	24.902	61	85.59	219	40.507	85	30.01	198
Sept. 7	49.700	14	29.91	192	58.263	12	54.87	231	24.963	20	87.78	198	40.592	18	31.99	212
17	49.714	45	31.83	199	58.275	29	57.18	206	24.983	19	89.76	173	40.610	47	34.11	217
27	49.669	97	33.82	197	58.246	64	59.24	178	24.964	53	91.49	146	40.563	105	36.28	214
Okt. 7	49.572	142	35.79	185	58.182	93	61.02	147	24.911	81	92.95	117	40.458	155	38.42	201
17	49.430	177	37.64	166	58.089	118	62.49	114	24.830	104	94.12	87	40.303	196	40.43	179
27	49.253	202	39.30	139	57.971	134	63.63	79	24.726	120	94.99	56	40.107	225	42.22	149
Nov. 6	49.051	216	40.69	106	57.837	145	64.42	42	24.606	130	95.55	24	39.882	244	43.71	113
16	48.835	219	41.75	68	57.692	150	64.84	4	24.476	134	95.79	8	39.638	249	44.84	72
26	48.616	212	42.43	26	57.542	149	64.88	33	24.342	133	95.71	40	39.389	244	45.56	27
Dez. 6	48.404	198	42.69	15	57.393	141	64.55	70	24.209	126	95.31	70	39.145	229	45.83	20
16	48.206	175	42.54	58	57.252	131	63.85	104	24.083	116	94.61	98	38.916	207	45.63	66
26	48.031	147	41.96	99	57.121	115	62.81	135	23.967	101	93.63	122	38.709	176	44.97	111
36	47.884		40.97		57.006		61.46		23.866		92.41		38.533		43.86	
Mittl. Ort	43.991		50.21		54.338		31.59		20.989		64.13		34.587		52.43	
sec δ, tg δ	1.473		−1.081		1.153		+0.574		1.088		+0.429		1.612		−1.265	
a, *a'*	+3.6		+18.8		+2.8		+18.8		+2.9		+18.9		+3.6		+19.0	
b, *b'*	−0.07		+ 0.35		+0.04		+ 0.34		+0.03		+ 0.33		−0.08		+ 0.32	

Tag	863) ι Cephei AR.	Δ	Dekl.	Δ
1934	22h 47m		+65° 51′	
Jan. 1	17.46	37	28.56	162
11	17.09	32	26.94	211
21	16.77	26	24.83	250
31	16.51	18	22.33	279
Feb. 10	16.33	9	19.54	297
20	16.24	0	16.57	303
März 2	16.24	10	13.54	295
12	16.34	19	10.59	276
22	16.53	29	7.83	244
Apr. 1	16.82	38	5.39	205
11	17.20	45	3.34	156
21	17.65	52	1.78	102
Mai 1	18.17	57	0.76	44
11	18.74	60	0.32	15
21	19.34	61	0.47	73
31	19.95	61	1.20	130
Juni 10	20.56	60	2.50	183
20	21.16	55	4.33	230
30	21.71	51	6.63	273
Juli 10	22.22	45	9.36	307
20	22.67	38	12.43	336
30	23.05	30	15.79	356
Aug. 9	23.35	22	19.35	370
19	23.57	13	23.05	374
29	23.70	4	26.79	372
Sept. 7	[3] 23.74	4	30.51	362
17	23.70	12	34.13	345
27	23.58	19	37.58	320
Okt. 7	23.39	26	40.78	289
17	23.13	31	43.67	251
27	22.82	36	46.18	206
Nov. 6	22.46	40	48.24	157
16	22.06	43	49.81	102
26	21.63	44	50.83	45
Dez. 6	21.19	43	51.28	15
16	20.76	43	51.13	73
26	20.33	40	50.40	130
36	19.93		49.10	
Mittl. Ort	19.49		10.60	
sec δ, tg δ	2.445		+2.231	
a, *a′*	+2.1		+19.0	
b, *b′*	+0.14		+ 0.31	

Tag	864) λ Aquarii AR.	Δ	Dekl.	Δ
1934	22h 49m		−7° 55′	
Jan. 1	10.456	66	54.49	41
11	10.390	46	54.90	30
21	10.344	25	55.20	17
31	10.319	0	55.37	2
Feb. 10	10.319	28	55.39	15
20	10.347	58	55.24	35
März 2	10.405	90	54.89	56
12	10.495	124	54.33	80
22	10.619	159	53.53	102
Apr. 1	10.778	194	52.51	126
11	10.972	227	51.25	147
21	11.199	257	49.78	167
Mai 1	11.456	283	48.11	182
11	11.739	304	46.29	194
21	12.043	317	44.35	200
31	12.360	323	42.35	203
Juni 10	12.683	322	40.32	199
20	13.005	312	38.33	191
30	13.317	294	36.42	177
Juli 10	13.611	269	34.65	160
20	13.880	237	33.05	140
30	14.117	201	31.65	116
Aug. 9	14.318	161	30.49	92
19	14.479	118	29.57	65
29	14.597	75	28.92	42
Sept. 7	[3] 14.672	34	28.50	19
17	14.706	5	28.31	3
27	14.701	39	28.34	21
Okt. 7	14.662	66	28.55	36
17	14.596	89	28.91	48
27	14.507	105	29.39	55
Nov. 6	14.402	113	29.94	60
16	14.289	116	30.54	63
26	14.173	113	31.17	61
Dez. 6	14.060	106	31.78	59
16	13.954	95	32.37	54
26	13.859	79	32.91	46
36	13.780		33.37	
Mittl. Ort	10.341		52.68	
sec δ, tg δ	1.010		−0.139	
a, *a′*	+3.1		+19.1	
b, *b′*	−0.01		+ 0.30	

Tag	865) ρ Indi AR.	Δ	Dekl.	Δ
1934	22h 50m		−70° 25′	
Jan. 1	5.85	38	52.42	203
11	5.47	31	50.39	248
21	5.16	22	47.91	287
31	4.94	13	45.04	318
Feb. 10	4.81	3	41.86	341
20	4.78	6	38.45	355
März 2	4.84	16	34.90	363
12	5.00	25	31.27	362
22	5.25	34	27.65	353
Apr. 1	5.59	44	24.12	338
11	6.03	51	20.74	316
21	6.54	59	17.58	286
Mai 1	7.13	65	14.72	251
11	7.78	70	12.21	211
21	8.48	73	10.10	166
31	9.21	75	8.44	118
Juni 10	9.96	75	7.26	66
20	10.71	73	6.60	14
30	11.44	69	6.46	38
Juli 10	12.13	63	6.84	89
20	12.76	55	7.73	136
30	13.31	46	9.09	179
Aug. 9	13.77	36	10.88	216
19	14.13	24	13.04	244
29	14.37	12	15.48	264
Sept. 7	[4] 14.49	1	18.12	274
17	14.48	13	20.86	272
27	14.35	23	23.58	260
Okt. 7	14.12	34	26.18	237
17	13.78	42	28.55	203
27	13.36	48	30.58	161
Nov. 6	12.88	53	32.19	112
16	12.35	55	33.31	57
26	11.80	55	33.88	1
Dez. 6	11.25	52	33.87	60
16	10.73	49	33.27	117
26	10.24	43	32.10	171
36	9.81		30.39	
Mittl. Ort	5.59		37.01	
sec δ, tg δ	2.985		−2.812	
a, *a′*	+4.2		+19.1	
b, *b′*	−0.18		+ 0.30	

Tag	866) δ Aquarii AR.	Δ	Dekl.	Δ
1934	22h 51m		−16° 9′	
Jan. 1	9.147	70	84.37	10
11	9.077	50	84.47	7
21	9.027	27	84.40	26
31	9.000	2	84.14	45
Feb. 10	8.998	27	83.69	66
20	9.025	58	83.03	86
März 2	9.083	90	82.17	107
12	9.173	124	81.10	128
22	9.297	160	79.82	147
Apr. 1	9.457	196	78.35	166
11	9.653	229	76.69	182
21	9.882	261	74.87	195
Mai 1	10.143	287	72.92	202
11	10.430	309	70.90	207
21	10.739	323	68.83	206
31	11.062	331	66.77	199
Juni 10	11.393	329	64.78	187
20	11.722	321	62.91	172
30	12.043	302	61.19	151
Juli 10	12.345	278	59.68	128
20	12.623	246	58.40	102
30	12.869	209	57.38	73
Aug. 9	13.078	167	56.65	46
19	13.245	124	56.19	18
29	13.369	79	56.01	8
Sept. 7	[4] 13.448	36	56.09	31
17	13.484	5	56.40	50
27	13.479	40	56.90	65
Okt. 7	13.439	70	57.55	76
17	13.369	93	58.31	81
27	13.276	110	59.12	82
Nov. 6	13.166	119	59.94	79
16	13.047	123	60.73	73
26	12.924	120	61.46	62
Dez. 6	12.804	113	62.08	51
16	12.691	100	62.59	37
26	12.591	84	62.96	20
36	12.507		63.16	
Mittl. Ort	8.964		80.10	
sec δ, tg δ	1.041		−0.290	
a, *a′*	+3.2		+19.1	
b, *b′*	−0.02		+ 0.30	

Tag	867) α Pisc. austr. AR.		Dekl.		869) ο Andromedae AR.		Dekl.	
1934	$22^h\ 54^m$		$-29^\circ\ 57'$		$22^h\ 58^m$		$+41^\circ\ 58'$	
Jan. 1	0.702	88	88.88	43	52.254	152	28.52	151
11	0.614	64	88.45	71	52.102	129	27.01	185
21	0.550	37	87.74	98	51.973	99	25.16	211
31	0.513	9	86.76	124	51.874	63	23.05	228
Feb. 10	0.504	23	85.52	147	51.811	22	20.77	236
20	0.527	56	84.05	169	51.789	24	18.41	233
März 2	0.583	93	82.36	188	51.813	73	16.08	221
12	0.676	130	80.48	205	51.886	125	13.87	197
22	0.806	169	78.43	219	52.011	176	11.90	165
Apr. 1	0.975	206	76.24	229	52.187	226	10.25	126
11	1.181	244	73.95	234	52.413	272	8.99	81
21	1.425	277	71.61	235	52.685	313	8.18	33
Mai 1	1.702	307	69.26	232	52.998	346	7.85	18
11	2.009	330	66.94	222	53.344	371	8.03	68
21	2.339	348	64.72	209	53.715	385	8.71	117
31	2.687	356	62.63	189	54.100	391	9.88	163
Juni 10	3.043	355	60.74	164	54.491	385	11.51	203
20	3.398	347	59.10	137	54.876	370	13.54	240
30	3.745	330	57.73	105	55.246	345	15.94	268
Juli 10	4.075	303	56.68	72	55.591	313	18.62	292
20	4.378	270	55.96	37	55.904	273	21.54	308
30	4.648	229	55.59	2	56.177	227	24.62	317
Aug. 9	4.877	184	55.57	31	56.404	179	27.79	319
19	5.061	137	55.88	61	56.583	129	30.98	317
29	5.198	87	56.49	88	56.712	77	34.15	305
Sept. 7	[5] 5.285	39	57.37	109	[5] 56.789	28	37.20	289
17	5.324	7	58.46	125	56.817	18	40.09	269
27	5.317	48	59.71	134	56.799	61	42.78	242
Okt. 7	5.269	82	61.05	137	56.738	97	45.20	211
17	5.187	110	62.42	132	56.641	127	47.31	176
27	5.077	130	63.74	121	56.514	152	49.07	137
Nov. 6	4.947	142	64.95	105	56.362	170	50.44	95
16	4.805	147	66.00	84	56.192	181	51.39	50
26	4.658	144	66.84	60	56.011	187	51.89	5
Dez. 6	4.514	135	67.44	33	55.824	185	51.94	41
16	4.379	122	67.77	5	55.639	179	51.53	86
26	4.257	104	67.82	28	55.460	165	50.67	128
36	4.153		67.54		55.295		49.39	
Mittl. Ort	0.425		80.76		52.806		14.76	
sec δ, tg δ	1.154		−0.577		1.345		+0.899	
a, *a'*	+3.3		+19.2		+2.8		+19.3	
b, *b'*	−0.04		+ 0.28		+0.06		+ 0.26	

Tag	870) β Pegasi AR.		Dekl.		871) α Pegasi AR.		Dekl.	
1934	$23^h\ 0^m$		$+27^\circ\ 43'$		$23^h\ 1^m$		$+14^\circ\ 50'$	
Jan. 1	34.081	106	37.63	133	28.248	85	64.94	107
11	33.975	87	36.30	154	28.163	67	63.87	117
21	33.888	63	34.76	170	28.096	46	62.70	123
31	33.825	35	33.06	178	28.050	21	61.47	121
Feb. 10	33.790	3	31.28	178	28.029	7	60.26	115
20	33.787	34	29.50	169	28.036	38	59.11	101
März 2	33.821	73	27.81	153	28.074	74	58.10	81
12	33.894	115	26.28	127	28.148	111	57.29	57
22	34.009	157	25.01	97	28.259	149	56.72	27
Apr. 1	34.166	199	24.04	59	28.408	186	56.45	6
11	34.365	239	23.45	19	28.594	222	56.51	42
21	34.604	274	23.26	24	28.816	256	56.93	76
Mai 1	34.878	303	23.50	66	29.072	284	57.69	111
11	35.181	326	24.16	109	29.356	305	58.80	143
21	35.507	341	25.25	148	29.661	321	60.23	172
31	35.848	346	26.73	182	29.982	327	61.95	195
Juni 10	36.194	344	28.55	213	30.309	326	63.90	215
20	36.538	333	30.68	238	30.635	316	66.05	228
30	36.871	312	33.06	257	30.951	299	68.33	235
Juli 10	37.183	285	35.63	269	31.250	273	70.68	238
20	37.468	252	38.32	275	31.523	243	73.06	233
30	37.720	212	41.07	275	31.766	207	75.39	225
Aug. 9	37.932	170	43.82	269	31.973	167	77.64	212
19	38.102	125	46.51	259	32.140	125	79.76	195
29	38.227	81	49.10	243	32.265	83	81.71	176
Sept. 7	[6] 38.308	38	51.53	224	[7] 32.348	43	83.47	153
17	38.346	2	53.77	200	32.391	4	85.00	130
27	38.344	38	55.77	175	32.395	29	86.30	105
Okt. 7	38.306	69	57.52	146	32.366	58	87.35	80
17	38.237	95	58.98	115	32.308	81	88.15	55
27	38.142	114	60.13	82	32.227	98	88.70	30
Nov. 6	38.028	127	60.95	48	32.129	110	89.00	5
16	37.901	136	61.43	13	32.019	117	89.05	20
26	37.765	138	61.56	21	31.902	117	88.85	42
Dez. 6	37.627	136	61.35	56	31.785	114	88.43	64
16	37.491	129	60.79	88	31.671	107	87.79	83
26	37.362	116	59.91	117	31.564	94	86.96	99
36	37.246		58.74		31.470		85.97	
Mittl. Ort	34.309		27.77		28.285		59.04	
sec δ, tg δ	1.130		+0.526		1.035		+0.265	
a, *a'*	+2.9		+19.4		+3.0		+19.4	
b, *b'*	+0.03		+ 0.26		+0.02		+ 0.25	

Scheinbare Sternörter 1934

Tag	872) ϑ Gruis AR.		872) ϑ Gruis Dekl.		874) π Cephei AR.		874) π Cephei Dekl.		873) c^2 Aquarii AR.		873) c^2 Aquarii Dekl.		875) Br 3077 AR.		875) Br 3077 Dekl.	
1934	$23^h\ 3^m$		−43° 52′		$23^h\ 5^m$		+75° 1′		$23^h\ 5^m$		−21° 31′		$23^h\ 10^m$		+56° 48′	
Jan. 1	10.421	133	50.46	92	44.29	69	70.36	128	56.089	83	57.20	6	4.788	253	30.97	140
11	10.288	105	49.54	130	43.60	61	69.08	182	56.006	65	57.14	29	4.535	223	29.57	185
21	10.183	73	48.24	165	42.99	51	67.26	229	55.941	43	56.85	52	4.312	183	27.72	224
31	10.110	37	46.59	196	42.48	40	64.97	268	55.898	18	56.33	74	4.129	134	25.48	253
Feb. 10	10.073	1	44.63	223	42.08	26	62.29	293	55.880	11	55.59	97	3.995	75	22.95	270
20	10.074	42	42.40	246	41.82	11	59.36	308	55.891	41	54.62	120	3.920	10	20.25	277
März 2	10.116	86	39.94	263	41.71	5	56.28	309	55.932	75	53.42	141	3.910	60	17.48	272
12	10.202	130	37.31	276	41.76	20	53.19	297	56.007	111	52.01	161	3.970	133	14.76	255
22	10.332	176	34.55	283	41.96	37	50.22	274	56.118	148	50.40	179	4.103	205	12.21	227
Apr. 1	10.508	221	31.72	286	42.33	50	47.48	240	56.266	185	48.61	195	4.308	274	9.94	191
11	10.729	264	28.86	282	42.83	63	45.08	196	56.451	221	46.66	208	4.582	338	8.03	146
21	10.993	305	26.04	273	43.46	74	43.12	145	56.672	255	44.58	217	4.920	394	6.57	95
Mai 1	11.298	340	23.31	258	44.20	83	41.67	90	56.927	284	42.41	221	5.314	438	5.62	41
11	11.638	369	20.73	238	45.03	88	40.77	31	57.211	309	40.20	220	5.752	472	5.21	14
21	12.007	391	18.35	211	45.91	91	40.46	28	57.520	326	38.00	214	6.224	492	5.35	69
31	12.398	403	16.24	180	46.82	92	40.74	87	57.846	337	35.86	203	6.716	499	6.04	123
Juni 10	12.801	406	14.44	145	47.74	89	41.61	143	58.183	338	33.83	187	7.215	493	7.27	174
20	13.207	398	12.99	106	48.63	85	43.04	195	58.521	332	31.96	166	7.708	474	9.01	219
30	13.605	380	11.93	64	49.48	79	44.99	242	58.853	316	30.30	142	8.182	443	11.20	259
Juli 10	13.985	352	11.29	22	50.27	70	47.41	283	59.169	293	28.88	113	8.625	403	13.79	292
20	14.337	315	11.07	20	50.97	60	50.24	319	59.462	263	27.75	83	9.028	353	16.71	319
30	14.652	270	11.27	61	51.57	48	53.43	346	59.725	227	26.92	51	9.381	296	19.90	339
Aug. 9	14.922	218	11.88	99	52.05	37	56.89	366	59.952	185	26.41	20	9.677	235	23.29	351
19	15.140	163	12.87	132	52.42	24	60.55	378	60.137	141	26.21	11	9.912	170	26.80	356
29	15.303	104	14.19	159	52.66	10	64.33	384	60.278	95	26.32	37	10.082	106	30.36	354
Sept. 7*)	[7] 15.407	46	15.78	180	52.76	2	68.17	381	60.373	51	26.69	62	10.188	42	33.90	345
17	15.453	9	17.58	192	[8] 52.74	15	71.98	370	[8] 60.424	9	27.31	82	[9] 10.230	20	37.35	329
27	15.444	60	19.50	196	52.59	26	75.68	351	60.433	29	28.13	95	10.210	76	40.64	306
Okt. 7	15.384	105	21.46	191	52.33	38	79.19	326	60.404	62	29.08	104	10.134	128	43.70	277
17	15.279	142	23.37	177	51.95	48	82.45	292	60.342	88	30.12	107	10.006	174	46.47	242
27	15.137	170	25.14	156	51.47	56	85.37	251	60.254	107	31.19	105	9.832	211	48.89	202
Nov. 6	14.967	187	26.70	128	50.91	64	87.88	204	60.147	121	32.24	97	9.621	242	50.91	156
16	14.780	197	27.98	95	50.27	70	89.92	150	60.026	126	33.21	85	9.379	266	52.47	105
26	14.583	197	28.93	56	49.57	74	91.42	93	59.900	127	34.06	69	9.113	279	53.52	53
Dez. 6	14.386	188	29.49	16	48.83	75	92.35	31	59.773	121	34.75	51	8.834	285	54.05	2
16	14.198	174	29.65	26	48.08	74	92.66	30	59.652	111	35.26	30	8.549	281	54.03	57
26	14.024	152	29.39	67	47.34	72	92.36	92	59.541	97	35.56	9	8.268	267	53.46	110
36	13.872		28.72		46.62		91.44		59.444		35.65		8.001		52.36	
Mittl. Ort	10.027		39.09		47.57		49.91		55.792		51.65		5.811		13.12	
sec δ, tg δ	1.387		−0.962		3.871		+3.740		1.075		−0.395		1.826		+1.528	
a, *a′*	+3.4		+19.4		+1.9		+19.5		+3.2		+19.5		+2.6		+19.6	
b, *b′*	−0.06		+ 0.25		+0.24		+ 0.23		−0.03		+ 0.23		+0.10		+ 0.22	

*) Bei Stern 874), 873) und 875) lies Sept. 8

Tag	877) γ Tucanae AR.		877) γ Tucanae Dekl.		879) γ Sculptoris AR.		879) γ Sculptoris Dekl.		880) τ Pegasi AR.		880) τ Pegasi Dekl.	
1934	$23^h 13^m$		−58° 35′		$23^h 15^m$		−32° 53′		$23^h 17^m$		+23° 22′	
Jan. 1	35.797 s	237	66.50 ″	139	16.268 s	110	39.44 ″	42	21.991 s	104	52.60 ″	116
11	35.560	198	65.11	184	16.158	88	39.02	75	21.887	89	51.44	134
21	35.362	152	63.27	225	16.070	64	38.27	106	21.798	70	50.10	147
31	35.210	101	61.02	261	16.006	36	37.21	135	21.728	45	48.63	153
Feb. 10	35.109	46	58.41	289	15.970	6	35.86	161	21.683	15	47.10	153
20	35.063	12	55.52	312	15.964	29	34.25	185	21.668	18	45.57	145
März 2	35.075	72	52.40	328	15.993	66	32.40	207	21.686	56	44.12	129
12	35.147	135	49.12	336	16.059	105	30.33	224	21.742	95	42.83	105
22	35.282	197	45.76	338	16.164	145	28.09	238	21.837	137	41.78	77
Apr. 1	35.479	258	42.38	334	16.309	186	25.71	249	21.974	179	41.01	44
11	35.737	318	39.04	321	16.495	226	23.22	255	22.153	218	40.57	5
21	36.055	372	35.83	303	16.721	263	20.67	254	22.371	255	40.52	34
Mai 1	36.427	420	32.80	278	16.984	297	18.13	250	22.626	287	40.86	73
11	36.847	460	30.02	248	17.281	325	15.63	239	22.913	311	41.59	111
21	37.307	492	27.54	210	17.606	345	13.24	223	23.224	329	42.70	147
31	37.799	510	25.44	170	17.951	359	11.01	202	23.553	339	44.17	178
Juni 10	38.309	518	23.74	124	18.310	363	8.99	176	23.892	339	45.95	206
20	38.827	511	22.50	77	18.673	358	7.23	145	24.231	331	48.01	227
30	39.338	491	21.73	26	19.031	344	5.78	110	24.562	315	50.28	243
Juli 10	39.829	459	21.47	23	19.375	321	4.68	75	24.877	291	52.71	254
20	40.288	412	21.70	71	19.696	290	3.93	36	25.168	260	55.25	257
30	40.700	356	22.41	117	19.986	252	3.57	1	25.428	225	57.82	256
Aug. 9	41.056	290	23.58	158	20.238	208	3.58	38	25.653	184	60.38	249
19	41.346	217	25.16	194	20.446	161	3.96	71	25.837	143	62.87	237
29	41.563	139	27.10	221	20.607	111	4.67	101	25.980	100	65.24	221
Sept. 8	10 41.702	59	29.31	240	10 20.718	61	5.68	125	11 26.080	59	67.45	202
17	41.761	19	31.71	249	20.779	14	6.93	143	26.139	19	69.47	179
27	41.742	92	34.20	248	20.793	30	8.36	154	26.158	17	71.26	155
Okt. 7	41.650	158	36.68	236	20.763	68	9.90	157	26.141	47	72.81	128
17	41.492	214	39.04	216	20.695	99	11.47	153	26.094	74	74.09	100
27	41.278	259	41.20	184	20.596	124	13.00	142	26.020	96	75.09	71
Nov. 6	41.019	290	43.04	145	20.472	141	14.42	125	25.924	109	75.80	40
16	40.729	310	44.49	100	20.331	150	15.67	102	25.815	119	76.20	10
26	40.419	315	45.49	50	20.181	152	16.69	74	25.696	125	76.30	20
Dez. 6	40.104	309	45.99	2	20.029	148	17.43	44	25.571	126	76.10	50
16	39.795	291	45.97	55	19.881	138	17.87	12	25.445	122	75.60	77
26	39.504	264	45.42	107	19.743	123	17.99	21	25.323	113	74.83	103
36	39.240		44.35		19.620		17.78		25.210		73.80	
Mittl. Ort	35.261		52.46		15.850		30.86		22.043		43.28	
sec δ, tg δ	1.919		−1.638		1.191		−0.647		1.089		+0.432	
a, *a′*	+3.5		+19.6		+3.2		+19.7		+3.0		+19.7	
b, *b′*	−0.11		+ 0.20		−0.04		+ 0.19		+0.03		+ 0.18	

Scheinbare Sternörter 1934

Tag	882) 4 Cassiopeiae AR.	Δ	882) Dekl.	Δ	884) κ Piscium AR.	Δ	884) Dekl.	Δ	885) 70 Pegasi AR.	Δ	885) Dekl.	Δ
1934	$23^h 21^m$		$+61° 55'$		$23^h 23^m$		$+0° 53'$		$23^h 25^m$		$+12° 23'$	
	s		″		s		″		s		″	
Jan. 1	52.63	33	32.33	123	33.160	84	40.61	67	49.025	92	52.16	92
11	52.30	30	31.10	173	33.076	70	39.94	64	48.933	78	51.24	100
21	52.00	26	29.37	216	33.006	53	39.30	57	48.855	62	50.24	104
31	51.74	20	27.21	250	32.953	33	38.73	48	48.793	40	49.20	103
Feb. 10	51.54	12	24.71	274	32.920	7	38.25	34	48.753	16	48.17	96
20	51.42	6	21.97	285	32.913	21	37.91	17	48.737	16	47.21	84
März 2	51.36	3	19.12	285	32.934	53	37.74	3	48.753	49	46.37	65
12	51.39	11	16.27	273	32.987	88	37.77	27	48.802	86	45.72	43
22	51.50	20	13.54	249	33.075	125	38.04	53	48.888	124	45.29	15
Apr. 1	51.70	28	11.05	216	33.200	162	38.57	80	49.012	163	45.14	15
11	51.98	36	8.89	173	33.362	199	39.37	106	49.175	202	45.29	48
21	52.34	42	7.16	125	33.561	233	40.43	132	49.377	237	45.77	80
Mai 1	52.76	47	5.91	71	33.794	264	41.75	156	49.614	269	46.57	112
11	53.23	52	5.20	15	34.058	289	43.31	175	49.883	294	47.69	143
21	53.75	55	5.05	41	34.347	307	45.06	192	50.177	312	49.12	168
31	54.30	56	5.46	97	34.654	319	46.98	203	50.489	324	50.80	190
Juni 10	54.86	55	6.43	150	34.973	322	49.01	210	50.813	327	52.70	208
20	55.41	53	7.93	198	35.295	317	51.11	210	51.140	322	54.78	220
30	55.94	51	9.91	242	35.612	304	53.21	205	51.462	308	56.98	226
Juli 10	56.45	46	12.33	280	35.916	284	55.26	196	51.770	287	59.24	227
20	56.91	40	15.13	310	36.200	257	57.22	181	52.057	259	61.51	222
30	57.31	34	18.23	335	36.457	224	59.03	164	52.316	226	63.73	214
Aug. 9	57.65	28	21.58	352	36.681	187	60.67	143	52.542	189	65.87	199
19	57.93	20	25.10	361	36.868	148	62.10	121	52.731	150	67.86	182
29	58.13	13	28.71	364	37.016	108	63.31	96	52.881	108	69.68	163
Sept. 8	58.26	6	32.35	359	37.124	67	64.27	72	52.989	69	71.31	141
17	[12] 58.32	2	35.94	346	[12] 37.191	29	64.99	49	[13] 53.058	31	72.72	117
27	58.30	8	39.40	327	37.220	5	65.48	26	53.089	4	73.89	94
Okt. 7	58.22	14	42.67	300	37.215	35	65.74	6	53.085	34	74.83	70
17	58.08	20	45.67	268	37.180	60	65.80	11	53.051	59	75.53	47
27	57.88	24	48.35	229	37.120	79	65.69	27	52.992	79	76.00	24
Nov. 6	57.64	29	50.64	183	37.041	93	65.42	39	52.913	94	76.24	3
16	57.35	32	52.47	134	36.948	102	65.03	50	52.819	104	76.27	19
26	57.03	34	53.81	79	36.846	106	64.53	59	52.715	109	76.08	38
Dez. 6	56.69	35	54.60	23	36.740	105	63.94	64	52.606	110	75.70	57
16	56.34	35	54.83	34	36.635	101	63.30	68	52.496	107	75.13	73
26	55.99	35	54.49	91	36.534	93	62.62	69	52.389	101	74.40	86
36	55.64		53.58		36.441		61.93		52.288		73.54	
Mittl. Ort	53.82		12.79		32.931		38.52		48.892		46.10	
sec δ, tg δ	2.125		+1.874		1.000		+0.016		1.024		+0.220	
a, *a′*	+2.7		+19.8		+3.1		+19.8		+3.0		+19.8	
b, *b′*	+0.12		+ 0.17		0.00		+ 0.16		+0.01		+ 0.15	

Tag	891) ι Andromedae AR.		Dekl.	
1934	23h 34m		+42° 54′	
	s		″	
Jan. 1	53.324	171	24.68	117
11	53.153	157	23.51	154
21	52.996	133	21.97	185
31	52.863	103	20.12	208
Feb. 10	52.760	65	18.04	222
20	52.695	23	15.82	227
März 2	52.672	27	13.55	221
12	52.699	80	11.34	205
22	52.779	134	9.29	180
Apr. 1	52.913	188	7.49	148
11	53.101	240	6.01	107
21	53.341	288	4.94	63
Mai 1	53.629	328	4.31	15
11	53.957	360	4.16	33
21	54.317	384	4.49	81
31	54.701	396	5.30	128
Juni 10	55.097	400	6.58	170
20	55.497	391	8.28	208
30	55.888	374	10.36	241
Juli 10	56.262	347	12.77	268
20	56.609	314	15.45	289
30	56.923	272	18.34	303
Aug. 9	57.195	228	21.37	310
19	57.423	179	24.47	311
29	57.602	129	27.58	306
Sept. 8	57.731	81	30.64	296
17	[15] 57.812	34	33.60	279
27	57.846	11	36.39	257
Okt. 7	57.835	51	38.96	231
17	57.784	86	41.27	201
27	57.698	116	43.28	165
Nov. 6	57.582	141	44.93	127
16	57.441	160	46.20	84
26	57.281	174	47.04	41
Dez. 6	57.107	182	47.45	4
16	56.925	183	47.41	49
26	56.742	179	46.92	93
36	56.563		45.99	
Mittl. Ort	53.600		8.77	
sec δ, tg δ	1.365		+0.929	
a, a′	+2.9		+19.9	
b, b′	+0.06		+ 0.11	

Tag	892) ι Piscium AR.		Dekl.	
1934	23h 36m		+5° 16′	
	s		″	
Jan. 1	33.529	90	9.89	76
11	33.439	79	9.13	77
21	33.360	64	8.36	75
31	33.296	44	7.61	68
Feb. 10	33.252	21	6.93	58
20	33.231	8	6.35	43
März 2	33.239	40	5.92	23
12	33.279	75	5.69	1
22	33.354	113	5.68	25
Apr. 1	33.467	152	5.93	53
11	33.619	189	6.46	82
21	33.808	226	7.28	110
Mai 1	34.034	258	8.38	136
11	34.292	284	9.74	160
21	34.576	305	11.34	181
31	34.881	319	13.15	196
Juni 10	35.200	324	15.11	207
20	35.524	320	17.18	212
30	35.844	310	19.30	212
Juli 10	36.154	291	21.42	207
20	36.445	265	23.49	196
30	36.710	234	25.45	183
Aug. 9	36.944	198	27.28	164
19	37.142	160	28.92	143
29	37.302	120	30.35	121
Sept. 8	37.422	81	31.56	98
17	[15] 37.503	43	32.54	74
27	37.546	8	33.28	52
Okt. 7	37.554	22	33.80	29
17	37.532	48	34.09	10
27	37.484	69	34.19	9
Nov. 6	37.415	85	34.10	25
16	37.330	96	33.85	40
26	37.234	102	33.45	51
Dez. 6	37.132	104	32.94	62
16	37.028	103	32.32	70
26	36.925	97	31.62	75
36	36.828		30.87	
Mittl. Ort	33.263		5.88	
sec δ, tg δ	1.004		+0.092	
a, a′	+3.1		+19.9	
b, b′	+0.01		+ 0.10	

Tag	893) γ Cephei AR.		Dekl.	
1934	23h 36m		+77° 15′	
	s		″	
Jan. 1	34.29	85	72.85	82
11	33.44	79	72.03	140
21	32.65	71	70.63	194
31	31.94	57	68.69	239
Feb. 10	31.37	44	66.30	274
20	30.93	26	63.56	296
März 2	30.67	8	60.60	306
12	30.59	10	57.54	305
22	30.69	29	54.49	289
Apr. 1	30.98	47	51.60	263
11	31.45	64	48.97	227
21	32.09	77	46.70	182
Mai 1	32.86	89	44.88	130
11	33.75	98	43.58	76
21	34.73	104	42.82	17
31	35.77	107	42.65	41
Juni 10	36.84	106	43.06	98
20	37.90	103	44.04	153
30	38.93	98	45.57	203
Juli 10	39.91	90	47.60	249
20	40.81	80	50.09	289
30	41.61	68	52.98	322
Aug. 9	42.29	55	56.20	349
19	42.84	41	59.69	369
29	43.25	27	63.38	380
Sept. 8	43.52	12	67.18	385
17	[15] 43.64	3	71.03	380
27	43.61	17	74.83	370
Okt. 7	43.44	31	78.53	350
17	43.13	44	82.03	322
27	42.69	55	85.25	288
Nov. 6	42.14	67	88.13	245
16	41.47	75	90.58	195
26	40.72	82	92.53	141
Dez. 6	39.90	87	93.94	80
16	39.03	89	94.74	18
26	38.14	87	94.92	44
36	37.27		94.48	
Mittl. Ort	37.36		50.30	
sec δ, tg δ	4.536		+4.424	
a, a′	+2.5		+19.9	
b, b′	+0.29		+ 0.10	

Scheinbare Sternörter 1934

Tag	894) ω² Aquarii				895) 41 H. Cephei				896) Lac. δ Sculptoris			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1934	23h 39m		−14° 54′		23h 44m		+67° 26′		23h 45m		−28° 29′	
	s		″		s		″		s		″	
Jan. 1	18.503	95	38.64	27	43.22	45	45.83	88	30.013	118	50.33	9
11	18.408	82	38.91	8	42.77	41	44.95	142	29.895	103	50.24	41
21	18.326	67	38.99	13	42.36	37	43.53	192	29.792	85	49.83	72
31	18.259	46	38.86	34	41.99	30	41.61	234	29.707	63	49.11	101
Feb. 10	18.213	23	38.52	55	41.69	23	39.27	265	29.644	37	48.10	130
20	18.190	6	37.97	79	41.46	14	36.62	284	29.607	6	46.80	157
März 2	18.196	37	37.18	101	41.32	4	33.78	292	29.601	28	45.23	181
12	18.233	73	36.17	124	41.28	7	30.86	288	29.629	65	43.42	203
22	18.306	109	34.93	147	41.35	18	27.98	272	29.694	106	41.39	221
Apr. 1	18.415	148	33.46	166	41.53	28	25.26	245	29.800	147	39.18	236
11	18.563	186	31.80	185	41.81	38	22.81	207	29.947	188	36.82	247
21	18.749	223	29.95	201	42.19	46	20.74	163	30.135	228	34.35	254
Mai 1	18.972	256	27.94	211	42.65	54	19.11	113	30.363	264	31.81	254
11	19.228	285	25.83	219	43.19	60	17.98	58	30.627	296	29.27	250
21	19.513	307	23.64	220	43.79	64	17.40	2	30.923	321	26.77	239
31	19.820	321	21.44	216	44.43	66	17.38	55	31.244	339	24.38	223
Juni 10	20.141	329	19.28	207	45.09	66	17.93	109	31.583	349	22.15	202
20	20.470	327	17.21	193	45.75	65	19.02	162	31.932	349	20.13	175
30	20.797	318	15.28	174	46.40	62	20.64	210	32.281	340	18.38	144
Juli 10	21.115	300	13.54	151	47.02	57	22.74	252	32.621	324	16.94	111
20	21.415	275	12.03	124	47.59	52	25.26	289	32.945	299	15.83	73
30	21.690	244	10.79	95	48.11	45	28.15	319	33.244	266	15.10	35
Aug. 9	21.934	208	9.84	64	48.56	38	31.34	343	33.510	228	14.75	2
19	22.142	168	9.20	34	48.94	29	34.77	359	33.738	185	14.77	38
29	22.310	126	8.86	5	49.23	20	38.36	368	33.923	139	15.15	71
Sept. 8	22.436	85	8.81	22	49.43	13	42.04	370	34.062	94	15.86	100
17*)	[16] 22.521	44	9.03	46	[17] 49.56	4	45.74	363	34.156	49	16.86	123
27	22.565	7	9.49	66	49.60	5	49.37	350	[18] 34.205	6	18.09	140
Okt. 7	22.572	27	10.15	81	49.55	13	52.87	330	34.211	32	19.49	150
17	22.545	54	10.96	90	49.42	20	56.17	301	34.179	64	20.99	152
27	22.491	77	11.86	95	49.22	27	59.18	266	34.115	92	22.51	148
Nov. 6	22.414	94	12.81	95	48.95	32	61.84	224	34.023	112	23.99	137
16	22.320	105	13.76	91	48.63	38	64.08	176	33.911	127	25.36	119
26	22.215	111	14.67	81	48.25	41	65.84	123	33.784	134	26.55	96
Dez. 6	22.104	113	15.48	70	47.84	44	67.07	65	33.650	137	27.51	71
16	21.991	111	16.18	56	47.40	46	67.72	6	33.513	134	28.22	42
26	21.880	103	16.74	39	46.94	45	67.78	52	33.379	127	28.64	11
36	21.777		17.13		46.49		67.26		33.252		28.75	
Mittl. Ort	18.064		35.91		44.49		24.13		29.443		43.52	
sec δ, tg δ	1.035		−0.266		2.607		+2.407		1.138		−0.543	
a, *a′*	+3.1		+20.0		+2.9		+20.0		+3.1		+20.0	
b, *b′*	−0.02		+ 0.09		+0.16		+ 0.07		−0.04		+ 0.06	

*) Bei Stern 896) lies Sept. 18

Tag	898) φ Pegasi AR.		898) φ Pegasi Dekl.		902) ω Piscium AR.		902) ω Piscium Dekl.		903) ε Tucanae AR.		903) ε Tucanae Dekl.	
1934	23h 49m		+18° 45′		23h 55m		+6° 29′		23h 56m		−65° 56′	
Jan. 1	7.844	108	22.00	93	55.609	97	57.50	74	30.97	40	54.68	114
11	7.736	98	21.07	107	55.512	90	56.76	76	30.57	36	53.54	167
21	7.638	84	20.00	117	55.422	77	56.00	75	30.21	31	51.87	216
31	7.554	65	18.83	123	55.345	60	55.25	70	29.90	25	49.71	259
Feb. 10	7.489	41	17.60	121	55.285	38	54.55	60	29.65	19	47.12	296
20	7.448	11	16.39	114	55.247	12	53.95	47	29.46	12	44.16	325
März 2	7.437	23	15.25	100	55.235	20	53.48	29	29.34	5	40.91	347
12	7.460	62	14.25	81	55.255	55	53.19	7	29.29	4	37.44	361
22	7.522	103	13.44	55	55.310	93	53.12	17	29.33	12	33.83	368
Apr. 1	7.625	144	12.89	25	55.403	133	53.29	45	29.45	20	30.15	367
11	7.769	187	12.64	7	55.536	173	53.74	73	29.65	27	26.48	357
21	7.956	225	12.71	43	55.709	211	54.47	101	29.92	36	22.91	341
Mai 1	8.181	261	13.14	77	55.920	245	55.48	129	30.28	43	19.50	318
11	8.442	290	13.91	111	56.165	275	56.77	153	30.71	49	16.32	287
21	8.732	313	15.02	143	56.440	299	58.30	174	31.20	54	13.45	250
31	9.045	328	16.45	170	56.739	315	60.04	192	31.74	59	10.95	207
Juni 10	9.373	335	18.15	194	57.054	323	61.96	204	32.33	61	8.88	160
20	9.708	332	20.09	213	57.377	323	64.00	211	32.94	61	7.28	109
30	10.040	322	22.22	225	57.700	315	66.11	212	33.55	61	6.19	56
Juli 10	10.362	304	24.47	234	58.015	299	68.23	210	34.16	59	5.63	0
20	10.666	279	26.81	235	58.314	276	70.33	200	34.75	55	5.63	53
30	10.945	247	29.16	232	58.590	248	72.33	187	35.30	49	6.16	106
Aug. 9	11.192	212	31.48	224	58.838	214	74.20	170	35.79	42	7.22	154
19	11.404	174	33.72	211	59.052	177	75.90	151	36.21	34	8.76	197
29	11.578	134	35.83	196	59.229	138	77.41	129	36.55	25	10.73	233
Sept. 8	11.712	94	37.79	176	59.367	100	78.70	106	36.80	15	13.06	259
18	11.806	55	39.55	155	59.467	63	79.76	82	36.95	5	15.65	276
27	11.861	20	41.10	132	59.530	28	80.58	59	37.00	4	18.41	282
Okt. 7	11.881	12	42.42	108	59.558	4	81.17	38	36.96	14	21.23	277
17	11.869	41	43.50	83	59.554	32	81.55	16	36.82	22	24.00	259
27	11.828	63	44.33	58	59.522	54	81.71	2	36.60	29	26.59	231
Nov. 6	11.765	82	44.91	33	59.468	72	81.69	18	36.31	35	28.90	194
16	11.683	97	45.24	8	59.396	86	81.51	34	35.96	40	30.84	148
26	11.586	107	45.32	17	59.310	96	81.17	47	35.56	43	32.32	97
Dez. 6	11.479	113	45.15	40	59.214	102	80.70	57	35.13	44	33.29	40
16	11.366	115	44.75	63	59.112	104	80.13	67	34.69	43	33.69	19
26	11.251	112	44.12	82	59.008	102	79.46	72	34.26	42	33.50	77
36	11.139		43.30		58.906		78.74		33.84		32.73	
Mittl. Ort	7.632		12.92		55.239		52.43		29.90		40.05	
sec δ, tg δ	1.056		+0.340		1.007		+0.114		2.453		−2.240	
a, a′	+3.1		+20.0		+3.1		+20.0		+3.1		+20.0	
b, b′	+0.02		+ 0.05		+0.01		+ 0.02		−0.15		+ 0.02	

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Na) 43 Hev. Cephei $4^m.52$

Tag	Januar				Februar				März				April			
	AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder	
	$0^h 59^m$	+ $85° 54'$	in $0^s.01$	in $0''.01$	$0^h 59^m$	+ $85° 54'$	in $0^s.01$	in $0''.01$	$0^h 59^m$	+ $85° 54'$	in $0^s.01$	in $0''.01$	$0^h 59^m$	+ $85° 54'$	in $0^s.01$	in $0''.01$
1	$19^s.15$	$41''.08$	+ 8	+ 4	$10^s.32$	$40''.57$	− 5	+ 6	$4^s.05$	$35''.25$	− 7	+ 5	$1^s.40$	$26''.24$	− 8	− 9
2	18.87	41.16	+ 5	+ 6	10.05	40.45	− 9	+ 3	3.88	34.99	−10	+ 1	1.41	25.93	− 4	−11
3	18.59	41.24	+ 2	+ 7	9.79	40.32	−11	− 1	3.72	34.73	−11	− 3	1.42	25.62	+ 1	−11
4	18.31	41.31	− 3	+ 7	9.53	40.19	−11	− 6	3.56	34.47	−10	− 8	1.43	25.31	+ 6	− 8
5	18.02	41.37	− 6	+ 5	9.27	40.06	− 9	− 9	3.41	34.20	− 7	−11	1.46	25.00	+ 9	− 4
6	17.73	41.42	−10	+ 1	9.01	39.92	− 5	−12	3.27	33.93	− 1	−12	1.49	24.69	+10	+ 1
7	17.44	41.47	−11	− 3	8.76	39.77	0	−12	3.13	33.66	+ 3	−11	*) 1.52	24.39	+ 9	+ 6
8	17.15	41.51	−10	− 8	8.51	39.62	+ 4	−10	2.99	33.39	+ 7	− 7	1.56	24.09	+ 5	+10
9	16.86	41.55	− 8	−11	8.26	39.46	+ 9	− 6	2.86	33.11	+10	− 2	1.61	23.79	0	+11
10	16.57	41.58	− 3	−12	8.01	39.29	+10	0	2.74	32.83	+10	+ 3	1.66	23.49	− 4	+10
11	16.28	41.60	+ 2	−12	7.77	39.12	+ 9	+ 5	2.62	32.55	+ 8	+ 8	1.72	23.19	− 8	+ 7
12	15.99	41.61	+ 7	− 8	7.53	38.95	+ 6	+ 9	2.50	32.26	+ 4	+10	1.79	22.89	−10	+ 2
13	15.70	41.62	+10	− 3	7.29	38.77	+ 2	+11	2.39	31.97	− 1	+11	1.86	22.59	− 9	− 2
14	15.41	41.62	+10	+ 2	7.06	38.58	− 3	+11	2.29	31.68	− 6	+ 9	1.93	22.29	− 6	− 5
15	15.12	41.61	+ 9	+ 8	6.83	38.39	− 7	+ 8	2.19	31.39	− 9	+ 5	2.01	22.00	− 2	− 7
16	14.83	41.60	+ 5	+11	6.61	38.20	− 9	+ 4	2.10	31.10	−10	+ 1	2.10	21.71	+ 2	− 7
17	14.54	41.58	0	+12	6.39	38.00	− 9	0	2.01	30.81	− 8	− 3	2.19	21.42	+ 6	− 6
18	14.25	41.56	− 4	+11	6.17	37.79	− 7	− 4	1.93	30.51	− 5	− 6	2.28	21.13	+ 8	− 3
19	13.96	41.53	− 8	+ 7	5.95	37.58	− 3	− 6	1.85	30.21	− 1	− 7	2.38	20.84	+10	0
20	13.67	41.50	− 9	+ 3	5.74	37.37	+ 1	− 7	1.78	29.91	+ 4	− 7	2.49	20.55	+ 9	+ 3
21	13.38	41.46	− 8	− 1	5.53	37.15	+ 5	− 6	1.72	29.61	+ 7	− 5	2.60	20.27	+ 7	+ 6
22	13.09	41.41	− 6	− 5	5.33	36.93	+ 8	− 4	1.66	29.31	+ 9	− 2	2.72	19.99	+ 4	+ 7
23	12.80	41.35	− 2	− 6	5.13	36.70	+10	− 1	1.61	29.01	+10	+ 1	2.84	19.71	0	+ 7
24	12.52	41.29	+ 2	− 7	4.94	36.47	+ 9	+ 2	1.56	28.71	+ 9	+ 5	2.97	19.44	− 4	+ 6
25	12.24	41.22	+ 6	− 5	4.75	36.23	+ 8	+ 5	1.52	28.41	+ 6	+ 6	3.10	19.17	− 8	+ 3
26	11.96	41.14	+ 9	− 3	4.57	35.99	+ 5	+ 7	1.49	28.10	+ 2	+ 8	3.24	18.90	−10	0
27	11.68	41.06	+10	0	4.39	35.75	+ 1	+ 8	1.46	27.79	− 2	+ 7	3.38	18.63	−11	− 4
28	11.40	40.98	+ 9	+ 3	4.22	35.50	− 3	+ 7	1.43	27.48	− 6	+ 6	3.53	18.37	− 9	− 8
29	11.13	40.88	+ 7	+ 6	4.05	35.25	− 7	+ 5	1.41	27.17	− 9	+ 3	3.69	18.11	− 5	−11
30	10.86	40.78	+ 3	+ 7					1.40	26.86	−11	− 1	3.85	17.85	− 1	−11
31	10.59	40.68	− 1	+ 7					1.40	26.55	−10	− 6	4.01	17.60	+ 4	− 9
32	10.32	40.57	− 5	+ 6					1.40	26.24	− 8	− 9				

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+85° 54′ 10″	13.996	+13.960	+85° 54′ 20″	14.005	+13.970	+85° 54′ 40″	14.024	+13.989
20	14.005	+13.970	30	14.015	+13.979	50	14.034	+13.998

$\alpha_{1934.0} = 0^h\ 59^m\ 21^s.76$ $\delta_{1934.0} = +85°\ 54'\ 14''.94$

*) Tag der doppelten unteren Kulmination: April 7

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Na) 43 Hev. Cephei $4^m.52$

Tag	Mai AR.	Mai Dekl.	Mai ☾ Glieder	Juni AR.	Juni Dekl.	Juni ☾ Glieder	Juli AR.	Juli Dekl.	Juli ☾ Glieder	August AR.	August Dekl.	August ☾ Glieder
	$0^h 59^m$	$+85° 54'$	in $0^s.01$ $0''.01$	$0^h 59^m$	$+85° 54'$	in $0^s.01$ $0''.01$	$0^h 59^m$	$+85° 54'$	in $0^s.01$ $0''.01$	$0^h 59^m$	$+85° 54'$	in $0^s.01$ $0''.01$
1	4.01	17.60	+ 4 − 9	11.14	11.79	+ 9 + 7	20.36	10.84	− 3 + 11	29.94	14.99	− 8 − 2
2	4.18	17.35	+ 8 − 6	11.42	11.68	+ 5 + 11	20.68	10.90	− 7 + 9	30.22	15.20	− 4 − 5
3	4.35	17.10	+ 10 − 1	11.71	11.57	0 + 12	21.00	10.96	− 9 + 5	30.50	15.42	0 − 7
4	4.53	16.86	+ 10 + 5	12.00	11.47	− 4 + 10	21.32	11.03	− 9 0	30.78	15.64	+ 4 − 6
5	4.71	16.62	+ 7 + 9	12.29	11.38	− 8 + 7	21.64	11.10	− 7 − 4	31.06	15.87	+ 8 − 4
6	4.90	16.39	+ 3 + 11	12.58	11.29	− 9 + 2	21.96	11.17	− 3 − 6	31.34	16.10	+ 10 − 1
7	5.09	16.16	− 2 + 11	12.87	11.20	− 9 − 2	22.28	11.25	+ 2 − 7	31.62	16.34	+ 10 + 2
8	5.29	15.93	− 7 + 9	13.17	11.12	− 5 − 5	22.60	11.34	+ 6 − 6	31.89	16.58	+ 9 + 5
9	5.49	15.70	− 9 + 5	13.47	11.05	− 1 − 7	22.92	11.43	+ 8 − 3	32.16	16.82	+ 6 + 7
10	5.69	15.48	− 10 0	13.77	10.98	+ 3 − 7	23.23	11.53	+ 10 0	32.43	17.07	+ 2 + 8
11	5.90	15.26	− 8 − 4	14.07	10.92	+ 7 − 5	23.55	11.63	+ 9 + 3	32.69	17.32	− 2 + 7
12	6.11	15.05	− 4 − 7	14.38	10.87	+ 9 − 2	23.87	11.74	+ 8 + 6	32.95	17.58	− 6 + 5
13	6.33	14.84	0 − 8	14.69	10.82	+ 10 + 1	24.19	11.86	+ 4 + 7	33.21	17.84	− 9 + 2
14	6.55	14.64	+ 4 − 7	15.00	10.77	+ 9 + 4	24.50	11.98	0 + 8	33.47	18.11	− 10 − 2
15	6.78	14.44	+ 8 − 4	15.31	10.73	+ 6 + 6	24.81	12.10	− 4 + 6	33.72	18.38	− 10 − 6
16	7.01	14.25	+ 10 − 1	15.62	10.70	+ 3 + 7	25.12	12.23	− 8 + 4	33.97	18.65	− 8 − 10
17	7.24	14.06	+ 10 + 2	15.93	10.67	− 1 + 7	25.43	12.37	− 10 0	34.22	18.92	− 4 − 12
18	7.48	13.87	+ 8 + 5	16.24	10.64	− 5 + 5	25.74	12.51	− 11 − 4	34.47	19.20	+ 1 − 12
19	7.72	13.69	+ 5 + 7	16.55	10.62	− 9 + 2	26.05	12.65	− 10 − 8	34.71	19.48	+ 5 − 10
20	7.96	13.51	+ 1 + 8	16.86	10.61	− 11 − 2	26.36	12.80	− 7 − 11	34.95	19.77	+ 8 − 5
21	8.21	13.34	− 3 + 7	17.17	10.60	− 11 − 6	26.67	12.95	− 2 − 13	35.19	20.06	+ 10 0
22	8.46	13.17	− 7 + 4	17.48	10.60	− 9 − 10	26.98	13.11	+ 3 − 12	35.42	20.35	+ 8 + 5
23	8.72	13.01	− 10 + 1	17.80	10.60	− 5 − 12	27.28	13.28	+ 7 − 8	35.65	20.65	+ 5 + 9
24	8.98	12.85	− 11 − 3	18.12	10.61	0 − 12	27.58	13.45	+ 9 − 3	35.87	20.95	+ 1 + 10
25	9.24	12.70	− 10 − 7	18.44	10.63	+ 5 − 10	27.88	13.62	+ 10 + 3	36.09	21.25	− 4 + 10
26	9.50	12.56	− 7 − 10	18.76	10.65	+ 8 − 6	28.18	13.80	+ 8 + 7	36.31	21.56	− 8 + 7
27	9.77	12.42	− 3 − 12	19.08	10.68	+ 10 0	28.48	13.99	+ 4 + 10	36.53	21.87	− 10 + 3
28	10.04	12.28	+ 2 − 11	19.40	10.71	+ 10 + 5	28.78	14.18	− 1 + 11	36.74	22.18	− 9 − 1
29	10.31	12.15	+ 7 − 8	19.72	10.75	+ 6 + 9	29.07	14.37	− 6 + 9	36.95	22.50	− 6 − 4
30	10.58	12.02	+ 10 − 3	20.04	10.79	+ 2 + 11	29.36	14.57	− 8 + 6	37.15	22.82	− 2 − 6
31	10.86	11.90	+ 10 + 3	20.36	10.84	− 3 + 11	29.65	14.78	− 9 + 2	37.35	23.14	+ 3 − 6
32	11.14	11.79	+ 9 + 7				29.94	14.99	− 8 − 2	37.55	23.47	+ 7 − 5

δ	sec δ	tg δ	δ	sec δ	tg δ
+85° 54′ 10″	13.996	+13.960	+85° 54′ 20″	14.005	+13.970
20	14.005	+13.970	30	14.015	+13.979

$\alpha_{1934.0} = 0^h\ 59^m\ 21^s.76$ $\delta_{1934.0} = +85°\ 54'\ 14''.94$

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Na) 43 Hev. Cephei $4^m.52$

Tag	September AR.	September Dekl.	September ☾ Glieder	Oktober AR.	Oktober Dekl.	Oktober ☾ Glieder	November AR.	November Dekl.	November ☾ Glieder	Dezember AR.	Dezember Dekl.	Dezember ☾ Glieder
	$0^h 59^m$	+85° 54′	in $0^s.01$ $0''.01$	$0^h 59^m$	+85° 54′	in $0^s.01$ $0''.01$	$0^h 59^m$	+85° 54′	in $0^s.01$ $0''.01$	$0^h 59^m$	+85° 54′	in $0^s.01$ $0''.01$
1	37.55	23.47	+ 7 − 5	41.67	34.27	+10 + 4	41.70	46.38	− 5 + 6	37.50	55.88	−10 − 4
2	37.75	23.80	+ 9 − 2	41.74	34.65	+ 8 + 6	41.62	46.74	− 8 + 3	37.30	56.14	− 9 − 8
3	37.94	24.13	+10 + 2	41.81	35.03	+ 5 + 8	41.54	47.10	−10 − 1	37.09	56.39	− 6 −11
4	38.13	24.46	+ 9 + 5	41.87	35.41	+ 1 + 8	41.45	47.46	−10 − 5	36.88	56.64	− 2 −12
5	38.31	24.80	+ 7 + 7	41.93	35.79	− 3 + 7	41.36	47.81	− 8 − 9	36.67	56.88	+ 3 −11
6	38.49	25.14	+ 4 + 8	41.98 / 42.03	36.18 / 36.57	− 6 + 5 / − 9 + 2	41.27	48.16	− 4 −11	36.45	57.12	+ 7 − 7
7	38.67	25.48	0 + 8	42.08	36.96	−10 − 2	41.17	48.51	0 −11	36.23	57.35	+ 9 − 3
8	38.84	25.83	− 4 + 6	42.12	37.35	− 9 − 6	41.07	48.86	+ 4 − 9	36.00	57.58	+10 + 2
9	39.01	26.18	− 8 + 4	42.15	37.74	− 7 −10	40.96	49.20	+ 8 − 5	35.77	57.80	+ 8 + 7
10	39.17	26.53	−10 0	42.18	38.13	− 3 −11	40.85	49.54	+10 − 1	35.54	58.02	+ 4 +10
11	39.33	26.88	−10 − 4	42.21	38.52	+ 2 −11	40.73	49.88	+ 9 + 4	35.31	58.23	− 1 +11
12	39.49	27.23	− 9 − 8	42.23	38.90	+ 6 − 8	40.61	50.21	+ 6 + 8	35.07	58.44	− 6 + 9
13	39.64	27.59	− 5 −11	42.25	39.28	+ 9 − 4	40.48	50.54	+ 1 +10	34.83	58.64	− 9 + 5
14	39.79	27.95	− 1 −12	42.26	39.66	+10 + 1	40.35	50.87	− 3 +10	34.59	58.83	− 9 + 1
15	39.93	28.31	+ 4 −11	42.27	40.04	+ 8 + 6	40.22	51.20	− 7 + 7	34.34	59.02	− 8 − 3
16	40.07	28.67	+ 7 − 7	42.28	40.42	+ 4 + 9	40.08	51.52	−10 + 3	34.09	59.21	− 4 − 6
17	40.21	29.03	+ 9 − 2	42.28	40.80	− 1 +10	39.94	51.84	− 9 − 1	33.84	59.39	0 − 7
18	40.34	29.40	+ 9 + 3	42.28	41.18	− 5 + 9	39.79	52.15	− 7 − 5	33.58	59.56	+ 4 − 6
19	40.47	29.77	+ 6 + 7	42.27	41.56	− 9 + 5	39.64	52.46	− 3 − 7	33.32	59.73	+ 8 − 4
20	40.59	30.14	+ 2 + 9	42.25	41.94	−10 + 1	39.48	52.77	+ 2 − 7	33.06	59.89	+10 0
21	40.71	30.51	− 3 +10	42.23	42.32	− 9 − 3	39.32	53.07	+ 6 − 6	32.80	60.04	+10 + 3
22	40.83	30.88	− 7 + 8	42.21	42.70	− 5 − 6	39.16	53.37	+ 9 − 3	32.54	60.19	+ 8 + 6
23	40.94	31.25	− 9 + 4	42.18	43.08	− 1 − 7	38.99	53.67	+10 + 1	32.28	60.34	+ 5 + 8
24	41.05	31.62	−10 0	42.14	43.45	+ 3 − 6	38.82	53.96	+10 + 4	32.01	60.47	+ 1 + 8
25	41.15	31.99	− 8 − 4	42.10	43.82	+ 7 − 4	38.64	54.25	+ 7 + 7	31.74	60.60	− 3 + 7
26	41.25	32.37	− 4 − 6	42.06	44.19	+10 − 1	38.46	54.53	+ 4 + 8	31.47	60.73	− 6 + 5
27	41.34	32.75	+ 1 − 7	42.01	44.56	+10 + 2	38.28	54.81	0 + 8	31.20	60.85	− 9 + 1
28	41.43	33.13	+ 5 − 6	41.96	44.93	+ 9 + 5	38.09	55.08	− 4 + 7	30.92	60.96	−10 − 3
29	41.51	33.51	+ 8 − 3	41.90	45.30	+ 6 + 8	37.90	55.35	− 7 + 4	30.64	61.07	−10 − 7
30	41.59	33.89	+10 0	41.84	45.66	+ 3 + 8	37.70	55.62	−10 0	30.36	61.17	− 8 −10
31	41.67	34.27	+10 + 4	41.77	46.02	− 1 + 8	37.50	55.88	−10 − 4	30.08	61.26	− 4 −12
32				41.70	46.38	− 5 + 6				29.80	61.35	+ 1 −12

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+85° 54′ 20″	14.005	+13.970	+85° 54′ 40″	14.024	+13.989	+85° 55′ 0″	14.043	+14.008
30	14.015	+13.979	50	14.034	+13.998	10	14.053	+14.017

$\alpha_{1934.0} = 0^h\ 59^m\ 21^s.76$ $\delta_{1934.0} = +85°\ 54'\ 14''.94$

Nb) α Ursae minoris $2^m.12$

Tag	Januar AR.	Januar Dekl.	Januar ☾Glieder	Februar AR.	Februar Dekl.	Februar ☾Glieder	März AR.	März Dekl.	März ☾Glieder	April AR.	April Dekl.	April ☾Glieder
	$1^h 38^m$	+88° 57′	in $0^s.01$ | $0''.01$	$1^h 38^m$	+88° 57′	in $0^s.01$ | $0''.01$	$1^h 37^m$	+88° 57′	in $0^s.01$ | $0''.01$	$1^h 37^m$	+88° 57′	in $0^s.01$ | $0''.01$
1	69.70	22.11	+31 + 2	34.54	23.48	−18 + 7	66.44	19.52	−26 + 6	50.10	11.15	−31 − 8
2	68.63	22.25	+21 + 5	33.41	23.42	−32 + 5	65.63	19.30	−37 + 3	49.91	10.84	−15 −11
3	67.55	22.39	+ 8 + 7	32.29	23.35	−40 + 1	64.83	19.08	−41 − 1	49.75	10.54	+ 3 −11
4	66.46	22.52	− 9 + 7	31.17	23.28	−42 − 4	64.05	18.85	−38 − 6	49.60	10.23	+21 − 9
5	65.36	22.64	−25 + 6	30.06	23.20	−35 − 8	63.28	18.62	−26 −10	49.48	9.93	+34 − 6
6	64.26	22.76	−37 + 3	28.96	23.11	−21 −11	62.54	18.38	−10 −12	49.38	9.62	+39 − 1
7	63.15	22.87	−43 − 1	27.86	23.02	− 2 −12	61.81	18.14	+ 9 −11	49.31	9.31	+35 + 5
8	62.04	22.97	−41 − 6	26.77	22.92	+16 −11	61.10	17.90	+26 − 9	49.25	9.00	+21 + 9
9	60.92	23.07	−31 −10	25.69	22.82	+31 − 7	60.41	17.65	+36 − 4	49.22	8.69	+ 3 +11
10	59.79	23.16	−14 −12	24.62	22.71	+38 − 2	59.74	17.40	+38 + 1	49.22	8.38	−15 +11
11	58.66	23.24	+ 5 −12	23.56	22.59	+36 + 4	59.09	17.15	+30 + 6	49.23	8.07	−29 + 8
12	57.53	23.32	+24 −10	22.51	22.47	+25 + 8	58.45	16.89	+15 +10	49.27	7.76	−36 + 4
13	56.39	23.39	+36 − 5	21.46	22.34	+ 8 +11	57.84	16.63	− 4 +11	49.33	7.45	−34 0
14	55.25	23.45	+40 + 1	20.43	22.20	−10 +11	57.24	16.36	−21 +10	49.41	7.15	−25 − 4
15	54.10	23.51	+33 + 6	19.41	22.06	−25 + 9	56.67	16.09	−32 + 7	49.51	6.84	−10 − 7
16	52.95	23.56	+20 +10	18.40	21.91	−34 + 6	56.11	15.82	−36 + 3	49.64	6.53	+ 6 − 8
17	51.80	23.60	+ 2 +12	17.40	21.76	−34 + 2	55.58	15.54	−31 − 2	*)49.79	6.22	+21 − 7
18	50.65	23.64	−15 +11	16.41	21.60	−26 − 3	55.07	15.26	−19 − 5	49.95	5.92	+31 − 5
19	49.49	23.67	−28 + 9	15.43	21.44	−13 − 6	54.58	14.98	− 4 − 7	50.14	5.61	+36 − 2
20	48.34	23.70	−34 + 5	14.47	21.27	+ 3 − 7	54.10	14.70	+13 − 7	50.36	5.31	+35 + 1
21	47.18	23.72	−30 0	13.52	21.10	+18 − 7	53.65	14.42	+25 − 6	50.59	5.01	+27 + 4
22	46.02	23.73	−21 − 4	12.58	20.92	+29 − 5	53.22	14.13	+34 − 4	50.85	4.71	+15 + 7
23	44.87	23.73	− 7 − 6	11.66	20.74	+36 − 2	52.81	13.84	+37 0	51.12	4.41	0 + 7
24	43.71	23.73	+ 9 − 7	10.75	20.55	+36 + 1	52.42	13.55	+33 + 3	51.42	4.12	−15 + 7
25	42.56	23.72	+23 − 6	9.86	20.35	+31 + 4	52.06	13.25	+24 + 5	51.75	3.82	−29 + 5
26	41.40	23.71	+32 − 4	8.98	20.15	+20 + 6	51.71	12.96	+11 + 7	52.09	3.53	−38 + 2
27	40.25	23.69	+36 − 1	8.12	19.94	+ 5 + 8	51.39	12.66	− 5 + 8	52.45	3.24	−40 − 3
28	39.10	23.66	+34 + 2	7.27	19.73	−11 + 8	51.09	12.36	−21 + 7	52.84	2.95	−34 − 7
29	37.95	23.62	+26 + 5	6.44	19.52	−26 + 6	50.81	12.06	−33 + 4	53.24	2.66	−22 −10
30	36.81	23.58	+14 + 7				50.55	11.76	−40 0	53.67	2.37	− 4 −11
31	35.67	23.53	− 1 + 8				50.31	11.46	−39 − 4	54.11	2.09	+14 −10
32	34.54	23.48	−18 + 7				50.10	11.15	−31 − 8			

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+88° 57′ 0″	54.570	+54.561	+88° 57′ 10″	54.715	+54.706	+88° 57′ 20″	54.861	+54.852
10	54.715	+54.706	20	54.861	+54.852	30	55.007	+54.998

$\alpha_{1934.0} = 1^h\ 39^m\ 5^s.16 \qquad \delta_{1934.0} = +88°\ 56'\ 55''.62$

*) Tag der doppelten unteren Kulmination: April 17

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Nb) α Ursae minoris $2^{m}.12$

Tag	Mai AR.	Mai Dekl.	Mai ☾Glieder		Juni AR.	Juni Dekl.	Juni ☾Glieder		Juli AR.	Juli Dekl.	Juli ☾Glieder		August AR.	August Dekl.	August ☾Glieder	
	$1^h 37^m$	+88° 56′	in $0^s.01$	in $0''.01$	$1^h 38^m$	+88° 56′	in $0^s.01$	in $0''.01$	$1^h 38^m$	+88° 56′	in $0^s.01$	in $0''.01$	$1^h 39^m$	+88° 56′	in $0^s.01$	in $0''.01$
1	54.11	62.09	+14	−10	16.91	54.93	+34	+6	50.52	52.16	−9	+12	28.74	54.36	−29	−1
2	54.58	61.81	+30	−7	17.89	54.77	+20	+10	51.74	52.15	−24	+10	29.94	54.51	−17	−4
3	55.06	61.53	+39	−2	18.88	54.61	+2	+12	52.97	52.15	−33	+6	31.13	54.67	−1	−7
4	55.57	61.26	+38	+3	19.88	54.45	−16	+11	54.20	52.15	−33	+1	32.32	54.83	+15	−7
5	56.09	60.98	+28	+8	20.90	54.30	−29	+8	55.43	52.16	−25	−3	33.50	55.00	+29	−5
6	56.64	60.71	+12	+11	21.93	54.16	−35	+4	56.67	52.17	−11	−6	34.68	55.17	+36	−2
7	57.20	60.45	−7	+11	22.97	54.02	−32	−1	57.90	52.19	+5	−7	35.85	55.35	+38	+1
8	57.78	60.18	−23	+10	24.02	53.88	−22	−4	59.14	52.21	+20	−7	37.01	55.53	+33	+4
9	58.39	59.92	−34	+6	25.08	53.75	−6	−7	60.39	52.24	+31	−4	38.17	55.71	+23	+6
10	59.01	59.67	−36	+2	26.16	53.62	+10	−7	61.63	52.27	+37	−2	39.32	55.90	+9	+8
11	59.65	59.41	−29	−3	27.24	53.50	+24	−6	62.87	52.31	+36	+2	40.46	56.10	−7	+8
12	60.31	59.16	−16	−6	28.33	53.38	+33	−4	64.12	52.35	+29	+5	41.60	56.30	−21	+6
13	60.98	58.91	0	−8	29.44	53.27	+37	−1	65.36	52.40	+17	+7	42.72	56.51	−33	+4
14	61.68	58.66	+16	−8	30.55	53.16	+33	+3	66.61	52.46	+2	+8	43.84	56.72	−39	0
15	62.39	58.42	+28	−6	31.67	53.06	+25	+5	67.85	52.52	−13	+7	44.95	56.94	−39	−5
16	63.12	58.18	+35	−4	32.80	52.96	+11	+7	69.10	52.58	−27	+5	46.06	57.16	−31	−9
17	63.87	57.95	+36	0	33.93	52.87	−4	+7	70.34	52.65	−38	+2	47.16	57.38	−18	−12
18	64.63	57.72	+30	+3	35.07	52.78	−19	+6	71.58	52.73	−41	−3	48.25	57.61	0	−12
19	65.41	57.49	+20	+6	36.22	52.70	−32	+4	72.82	52.81	−38	−7	49.33	57.84	+17	−11
20	66.20	57.27	+6	+7	37.38	52.63	−40	0	74.06	52.90	−27	−10	50.40	58.08	+30	−7
21	67.01	57.05	−10	+7	38.55	52.56	−41	−4	75.30	52.99	−11	−12	51.46	58.32	+36	−2
22	67.84	56.84	−25	+6	39.72	52.50	−34	−8	76.53	53.09	+8	−12	52.52	58.56	+33	+3
23	68.68	56.63	−36	+3	40.90	52.44	−21	−11	77.77	53.19	+24	−10	53.56	58.81	+20	+8
24	69.54	56.42	−41	−1	42.08	52.39	−3	−12	79.00	53.30	+34	−5	54.59	59.06	+4	+10
25	70.41	56.22	−39	−6	43.27	52.34	+17	−11	80.23	53.41	+36	+1	55.61	59.32	−14	+10
26	71.30	56.02	−29	−9	44.47	52.30	+31	−7	81.46	53.53	+29	+6	56.62	59.58	−28	+8
27	72.20	55.83	−13	−11	45.67	52.26	+39	−2	82.68	53.65	+15	+10	57.63	59.84	−35	+5
28	73.11	55.64	+6	−11	46.88	52.23	+37	+4	83.90	53.78	−3	+11	58.62	60.11	−32	0
29	74.04	55.46	+24	−9	48.09	52.20	+26	+8	85.12	53.92	−20	+10	59.60	60.38	−23	−4
30	74.98	55.28	+36	−5	49.30	52.18	+10	+11	86.33	54.06	−31	+7	60.57	60.66	−7	−6
31	75.94	55.10	+40	+1	50.52	52.16	−9	+12	87.54	54.21	−34	+3	61.53	60.94	+9	−7
32	76.91	54.93	+34	+6					88.74	54.36	−29	−1	62.47	61.22	+25	−6

δ	sec δ	tg δ	δ	sec δ	tg δ
+88° 56′ 50″	54.426	+54.417	+88° 57′ 0″	54.570	+54.561
60	54.570	+54.561	10	54.715	+54.706

$\alpha_{1934.0} = 1^h\ 39^m\ 5^s.16$ $\delta_{1934.0} = +88°\ 56'\ 55''.62$

Nb) α Ursae minoris 2ᵐ.12

Tag	September AR.	September Dekl.	September ☾ Glieder	Oktober AR.	Oktober Dekl.	Oktober ☾ Glieder	November AR.	November Dekl.	November ☾ Glieder	Dezember AR.	Dezember Dekl.	Dezember ☾ Glieder
	$1^h 40^m$	+88° 57′	in 0.01ˢ | 0.01″	$1^h 40^m$	+88° 57′	in 0.01ˢ | 0.01″	$1^h 40^m$	+88° 57′	in 0.01ˢ | 0.01″	$1^h 39^m$	+88° 57′	in 0.01ˢ | 0.01″
1	2.47ˢ	1.22″	+25 − 6	24.65ˢ	11.12″	+38 + 2	32.00ˢ	23.19″	−19 + 7	81.29ˢ	33.59″	−39 − 2
2	3.41	1.51	+35 − 3	25.16	11.48	+32 + 5	31.92	23.57	−31 + 4	80.64	33.89	−35 − 6
3	4.33	1.80	+39 0	25.65	11.85	+20 + 7	31.82	23.94	−37 0	79.98	34.19	−25 −10
4	5.24	2.09	+36 + 3	26.12	12.22	+ 6 + 8	31.71	24.31	−38 − 4	79.30	34.48	− 9 −11
5	6.14	2.39	+27 + 6	26.58	12.58	− 9 + 8	31.57	24.68	−31 − 7	78.60	34.77	+ 9 −11
6	7.02	2.69	+15 + 8	27.01	12.95	−23 + 6	31.41	25.05	−18 −10	77.89	35.05	+24 − 9
7	7.90	2.99	0 + 8	27.43	13.33	−33 + 3	31.24	25.42	− 2 −11	77.16	35.33	+34 − 4
8	8.76	3.30	−15 + 7	27.83	13.70	−38 − 1	31.04	25.79	+16 −10	76.41	35.61	+36 + 1
9	9.61	3.61	−28 + 5	28.22	14.08	−36 − 5	30.83	26.15	+30 − 7	75.65	35.88	+30 + 6
10	10.45	3.92	−37 + 2	28.58	14.45	−27 − 9	30.59	26.52	+36 − 2	74.87	36.15	+16 +10
11	11.27	4.24	−39 − 3	28.93	14.83	−12 −11	30.34	26.88	+35 + 3	74.08	36.41	− 2 +11
12	12.08	4.56	−34 − 7	29.27	15.20	+ 5 −11	30.07	27.24	+24 + 7	73.27	36.67	−19 +10
13	12.87	4.88	−22 −10	29.58	15.58	+21 − 9	29.78	27.60	+ 7 +10	72.44	36.92	−31 + 7
14	13.65	5.21	− 6 −12	29.88	15.96	+33 − 5	29.46	27.95	−11 +10	71.60	37.17	−35 + 2
15	14.42	5.54	+12 −11	30.16	16.34	+36 − 1	29.13	28.31	−26 + 8	70.75	37.41	−30 − 2
16	15.17	5.87	+26 − 9	30.42	16.72	+31 + 4	28.78	28.66	−35 + 5	69.88	37.65	−18 − 6
17	15.91	6.20	+35 − 4	{30.66 / 30.89}	17.10 / 17.48	{+17 + 8 / − 1 +10}	28.41	29.01	−35 0	69.00	37.88	− 1 − 7
18	16.63	6.54	+34 + 1	31.09	17.86	−19 +10	28.02	29.35	−27 − 4	68.10	38.11	+16 − 7
19	17.34	6.88	+25 + 6	31.28	18.24	−31 + 7	27.62	29.70	−12 − 7	67.19	38.33	+29 − 5
20	18.03	7.22	+10 + 9	31.45	18.63	−37 + 3	27.19	30.04	+ 5 − 8	66.26	38.55	+37 − 2
21	18.71	7.57	− 9 +10	31.60	19.01	−33 − 2	26.75	30.38	+21 − 7	65.32	38.76	+38 + 1
22	19.38	7.91	−25 + 9	31.73	19.39	−22 − 5	26.29	30.72	+33 − 4	64.37	38.97	+32 + 5
23	20.03	8.26	−35 + 6	31.84	19.77	− 5 − 7	25.80	31.05	+38 − 1	63.41	39.17	+21 + 7
24	20.66	8.61	−36 + 1	31.93	20.15	+12 − 7	25.30	31.38	+37 + 3	62.43	39.36	+ 6 + 8
25	21.28	8.96	−29 − 3	32.01	20.54	+27 − 6	24.79	31.70	+28 + 5	61.45	39.55	− 9 + 8
26	21.88	9.32	−15 − 6	32.06	20.92	+36 − 3	24.25	32.02	+16 + 8	60.45	39.73	−22 + 6
27	22.47	9.67	+ 2 − 7	32.10	21.30	+38 + 1	23.69	32.34	0 + 8	59.44	39.91	−33 + 3
28	23.04	10.03	+19 − 6	32.12	21.68	+34 + 4	23.12	32.66	−14 + 7	58.42	40.08	−39 − 1
29	23.59	10.39	+31 − 4	32.12	22.06	+24 + 7	22.53	32.97	−27 + 5	57.39	40.25	−36 − 5
30	24.13	10.75	+38 − 1	32.10	22.43	+11 + 8	21.92	33.28	−36 + 2	56.35	40.41	−30 − 9
31	24.65	11.12	+38 + 2	32.06	22.81	− 4 + 8	21.29	33.59	−39 − 2	55.30	40.56	−17 −11
32				32.00	23.19	−19 + 7				54.24	40.71	0 −12

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+88° 57′ 0″	54.570	+54.561	+88° 57′ 20″	54.861	+54.852	+88° 57′ 40″	55.154	+55.145
10	54.715	+54.706	30	55.007	+54.998	50	55.302	+55.293

$\alpha_{1934.0} = 1^h\ 39^m\ 5^s.16$ $\delta_{1934.0} = +88°\ 56'\ 55''.62$

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Nc) Grb 750 $6^m.70$

Tag	Januar			Februar			März			April		
	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder
	$4^h 15^m$	$+85° 23'$	in $0^s.01$ $0''.01$	$4^h 15^m$	$+85° 23'$	in $0^s.01$ $0''.01$	$4^h 15^m$	$+85° 23'$	in $0^s.01$ $0''.01$	$4^h 14^m$	$+85° 23'$	in $0^s.01$ $0''.01$
1	19.88	4.06	+ 8 − 3	14.72	10.96	+ 1 + 9	7.91	12.62	− 2 + 9	60.83	8.98	−11 − 2
2	19.77	4.35	+ 7 + 1	14.50	11.10	− 4 + 9	7.66	12.59	− 6 + 8	60.64	8.78	− 9 − 6
3	19.66	4.64	+ 5 + 4	14.27	11.23	− 8 + 7	7.41	12.55	− 9 + 5	60.46	8.58	− 6 −10
4	19.55	4.92	+ 2 + 7	14.05	11.36	−11 + 4	7.16	12.51	−11 + 1	60.28	8.37	− 2 −11
5	19.43	5.20	− 1 + 9	13.82	11.48	−12 − 1	6.91	12.46	−11 − 3	60.10	8.16	+ 3 −10
6	19.31	5.47	− 6 + 8	13.59	11.60	−11 − 6	6.66	12.40	− 9 − 8	59.93	7.94	+ 7 − 7
7	19.18	5.74	− 9 + 6	13.36	11.71	− 8 −10	6.41	12.34	− 5 −11	59.76	7.72	+ 9 − 2
8	19.05	6.00	−12 + 2	13.13	11.82	− 3 −12	6.16	12.27	0 −11	59.59	7.49	+ 9 + 4
9	18.91	6.26	−12 − 3	12.89	11.92	+ 2 −11	5.92	12.20	+ 5 − 9	59.43	7.26	+ 7 + 8
10	18.77	6.51	−10 − 8	12.65	12.01	+ 6 − 8	5.67	12.12	+ 8 − 5	59.27	7.03	+ 3 +11
11	18.63	6.76	− 6 −11	12.41	12.10	+ 9 − 3	5.43	12.04	+10 0	59.11	6.79	− 1 +11
12	18.48	7.01	− 1 −12	12.17	12.18	+10 + 3	5.19	11.95	+ 9 + 6	58.96	6.55	− 5 + 9
13	18.33	7.26	+ 4 −10	11.92	12.25	+ 8 + 8	4.95	11.85	+ 6 +10	58.81	6.30	− 7 + 5
14	18.17	7.50	+ 8 − 6	11.68	12.32	+ 5 +11	4.71	11.75	+ 2 +11	58.67	6.06	− 7 0
15	18.00	7.73	+10 0	11.43	12.38	+ 1 +12	4.48	11.64	− 2 +11	58.54	5.81	− 6 − 4
16	17.84	7.96	+10 + 6	11.18	12.44	− 3 +10	4.25	11.53	− 5 + 8	58.41	5.55	− 3 − 7
17	17.67	8.19	+ 8 +10	10.93	12.49	− 6 + 6	4.02	11.41	− 7 + 3	58.28	5.30	0 − 9
18	17.50	8.41	+ 4 +12	10.68	12.54	− 7 + 2	3.79	11.29	− 7 − 1	58.15	5.04	+ 3 − 9
19	17.32	8.62	0 +11	10.43	12.58	− 6 − 3	3.56	11.16	− 5 − 5	58.03	4.78	+ 6 − 7
20	17.14	8.83	− 4 + 9	10.18	12.61	− 3 − 6	3.33	11.02	− 2 − 8	57.92	4.52	+ 8 − 4
21	16.96	9.04	− 6 + 5	9.93	12.63	0 − 8	3.11	10.88	+ 1 − 9	57.81	4.25	+ 8 − 1
22	16.77	9.24	− 6 0	9.68	12.65	+ 3 − 9	2.89	10.73	+ 5 − 8	57.71	3.98	+ 7 + 3
23	16.58	9.44	− 5 − 4	9.43	12.66	+ 5 − 8	2.67	10.58	+ 7 − 6	57.61	3.71	+ 4 + 6
24	16.38	9.63	− 3 − 7	9.18	12.67	+ 7 − 5	2.45	10.42	+ 8 − 3	57.51	3.43	+ 1 + 8
25	16.18	9.82	+ 1 − 9	8.92	12.67	+ 9 − 2	2.24	10.26	+ 8 + 1	57.42	3.15	− 3 + 9
26	15.98	10.00	+ 4 − 9	8.66	12.67	+ 8 + 2	2.03	10.09	+ 6 + 4	57.33	2.87	− 7 + 7
27	15.78	10.17	+ 6 − 7	8.41	12.66	+ 5 + 6	1.83	9.92	+ 3 + 7	57.25	2.59	−10 + 4
28	15.57	10.34	+ 8 − 4	8.16	12.64	+ 2 + 8	1.62	9.74	0 + 9	57.17	2.31	−11 0
29	15.37	10.50	+ 8 0	7.91	12.62	− 2 + 9	1.42	9.56	− 4 + 9	57.10	2.03	−10 − 5
30	15.16	10.66	+ 7 + 3				1.22	9.37	− 8 + 7	57.03	1.74	− 8 − 8
31	14.94	10.81	+ 4 + 7				1.02	9.18	−10 + 3	56.96	1.45	− 3 −11
32	14.72	10.96	+ 1 + 9				0.83	8.98	−11 − 2			

δ	sec δ	tg δ	δ	sec δ	tg δ
+85° 23′ 0″	12.424	+12.384	+85° 23′ 10″	12.432	+12.391
10	12.432	+12.391	20	12.439	+12.399

$\alpha_{1934.0} = 4^h\ 15^m\ 4^s.71$ $\delta_{1934.0} = +85°\ 22'\ 44''.26$

Nc) Grb 75° $6^m.70$

Tag	Mai			Juni			Juli			August		
	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder
	$4^h 14^m$	+85° 22′	in 0.01s 0.01″	$4^h 14^m$	+85° 22′	in 0.01s 0.01″	$4^h 15^m$	+85° 22′	in 0.01s 0.01″	$4^h 15^m$	+85° 22′	in 0.01s 0.01″
1	56.96	61.45	− 3 −11	57.46	52.26	+10 0	2.20	44.64	+ 5 +11	10.35	40.06	− 6 + 4
2	56.90	61.16	+ 2 −11	57.56	51.97	+10 + 5	2.42	44.43	+ 1 +12	10.65	39.98	− 6 − 1
3	56.85	60.87	+ 6 − 8	57.66	51.68	+ 8 + 9	2.65	44.23	− 3 +10	10.95	39.91	− 4 − 5
4	56.80	60.58	+ 9 − 4	57.76	51.40	+ 3 +12	2.87	44.03	− 6 + 6	11.25	39.84	− 1 − 8
5	56.75	60.29	+10 + 2	57.87	51.12	− 1 +11	3.10	43.83	− 7 + 2	11.55	39.78	+ 3 − 9
6	56.71	60.00	+ 9 + 7	57.98	50.84	− 5 + 9	3.33	43.64	− 6 − 3	11.85	39.72	+ 6 − 8
7	56.68	59.70	+ 5 +11	58.10	50.56	− 7 + 4	3.57	43.45	− 3 − 7	12.16	39.66	+ 8 − 5
8	56.65	59.40	+ 1 +12	58.22	50.28	− 7 0	3.81	43.26	0 − 9	12.47	39.61	+ 9 − 2
9	56.62	59.10	− 3 +10	58.35	50.00	− 5 − 5	4.05	43.08	+ 3 − 9	12.78	39.56	+ 8 + 2
10	56.60	58.80	− 6 + 7	58.48	49.73	− 2 − 8	4.30	42.90	+ 6 − 7	13.09	39.52	+ 6 + 5
11	56.59	58.50	− 7 + 2	58.62	49.46	+ 1 − 9	4.55	42.73	+ 8 − 4	13.40	39.48	+ 3 + 8
12	56.58	58.20	− 7 − 2	58.76	49.19	+ 4 − 9	4.80	42.56	+ 8 − 1	13.71	39.45	0 + 9
13	56.58	57.90	− 4 − 6	58.90	48.92	+ 7 − 6	5.05	42.39	+ 7 + 3	14.02	39.42	− 4 + 8
14	56.58	57.60	− 1 − 9	59.05	48.66	+ 8 − 3	5.31	42.23	+ 5 + 6	14.33	39.40	− 8 + 6
15	56.58	57.30	+ 2 − 9	59.20	48.40	+ 8 0	5.57	42.07	+ 1 + 8	14.64	39.38	−11 + 2
16	56.59	57.00	+ 5 − 8	59.36	48.14	+ 6 + 4	5.83	41.92	− 2 + 9	14.96	39.37	−11 − 2
17	56.61	56.70	+ 7 − 6	59.52	47.89	+ 3 + 7	6.10	41.77	− 6 + 7	15.28	39.37	−10 − 7
18	56.63	56.40	+ 8 − 2	59.69	47.64	0 + 8	6.37	41.63	−10 + 5	15.60	39.37	− 7 −10
19	56.66	56.10	+ 7 + 2	59.86	47.39	− 4 + 8	6.64	41.49	−12 + 1	15.92	39.37	− 3 −12
20	56.69	55.80	+ 5 + 5	60.03	47.14	− 8 + 7	6.91	41.35	−12 − 4	16.23	39.38	+ 2 −11
21	56.73	55.50	+ 2 + 8	60.21	46.89	−11 + 3	7.19	41.22	− 9 − 8	16.55	39.39	+ 6 − 7
22	56.77	55.20	− 2 + 9	60.39	46.65	−12 − 1	7.46	41.09	− 5 −11	16.87	39.40	+ 8 − 2
23	56.82	54.90	− 5 + 8	60.58	46.41	−11 − 6	7.74	40.97	− 1 −11	17.19	39.42	+ 8 + 3
24	56.87	54.60	− 9 + 5	60.77	46.18	− 8 − 9	8.02	40.85	+ 4 − 9	17.51	39.45	+ 7 + 8
25	56.92	54.30	−11 + 2	60.97	45.95	− 3 −11	8.31	40.74	+ 8 − 5	17.83	39.48	+ 3 +11
26	*)56.98	54.00	−11 − 3	61.16	45.72	+ 2 −11	8.59	40.63	+ 9 0	18.15	39.51	0 +11
27	57.05	53.71	− 9 − 7	61.36	45.50	+ 7 − 8	8.88	40.52	+ 9 + 6	18.47	39.55	− 4 + 9
28	57.12	53.42	− 5 −10	61.57	45.28	+ 9 − 3	9.17	40.42	+ 6 +10	18.79	39.60	− 6 + 5
29	57.20	53.13	− 1 −11	61.78	45.06	+10 + 3	9.46	40.32	+ 2 +12	19.11	39.65	− 7 + 1
30	57.28	52.84	+ 4 − 9	61.99	44.85	+ 9 + 8	9.75	40.23	− 2 +11	19.43	39.71	− 5 − 4
31	57.37	52.55	+ 8 − 6	62.20	44.64	+ 5 +11	10.05	40.14	− 5 + 8	19.75	39.77	− 2 − 7
32	57.46	52.26	+10 0				10.35	40.06	− 6 + 4	20.07	39.83	+ 1 − 9

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+85° 22′ 30″	12.402	+12.361	+85° 22′ 50″	12.417	+12.376	+85° 23′ 0″	12.424	+12.384
40	12.409	+12.369	60	12.424	+12.384	10	12.432	+12.391

$\alpha_{1934.0} = 4^h\ 15^m\ 4^s.71$ $\delta_{1934.0} = +85°\ 22'\ 44''.26$

*) Tag der doppelten unteren Kulmination: Mai 26

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Nc) Grb 750 $6^m.70$

Tag	September AR.	September Dekl.	September ☾ Glieder	Oktober AR.	Oktober Dekl.	Oktober ☾ Glieder	November AR.	November Dekl.	November ☾ Glieder	Dezember AR.	Dezember Dekl.	Dezember ☾ Glieder
	$4^h 15^m$	+ 85° 22′	in 0.01s 0.01″	$4^h 15^m$	+ 85° 22′	in 0.01s 0.01″	$4^h 15^m$	+ 85° 22′	in 0.01s 0.01″	$4^h 15^m$	+ 85° 23′	in 0.01s 0.01″
1	20.07	39.83	+ 1 − 9	29.28	43.80	+ 8 − 4	36.83	51.57	+ 4 + 7	40.79	1.58	− 9 + 4
2	20.39	39.90	+ 5 − 8	29.56	44.00	+ 9 − 1	37.02	51.87	0 + 9	40.84	1.92	−11 + 1
3	20.71	39.97	+ 8 − 6	29.84	44.21	+ 8 + 3	37.21	52.17	− 4 + 8	40.89	2.26	−11 − 4
4	21.03	40.05	+ 9 − 3	30.12	44.41	+ 6 + 6	37.40	52.47	− 7 + 6	40.93	2.60	− 9 − 8
5	21.35	40.13	+ 9 0	30.40	44.62	+ 3 + 8	37.58	52.78	−10 + 3	40.97	2.94	− 5 −10
6	21.67	40.22	+ 7 + 4	30.68	44.83	− 1 + 9	37.76	53.09	−11 − 1	41.00	3.28	0 −11
7	21.99	40.31	+ 5 + 7	30.95	45.05	− 5 + 8	37.93	53.40	−10 − 6	41.03	3.62	+ 4 − 9
8	22.30	40.40	+ 1 + 9	31.22	45.27	− 8 + 5	38.10	53.71	− 7 − 9	41.05	3.95	+ 8 − 5
9	22.62	40.50	− 3 + 9	31.49	45.49	−10 + 2	38.26	54.02	− 3 −11	41.07	4.28	+ 9 0
10	22.94	40.60	− 6 + 7	31.75	45.72	−11 − 3	38.42	54.34	+ 2 −10	41.08	4.61	+ 8 + 5
11	23.26	40.71	− 9 + 4	32.01	45.95	− 9 − 7	38.58	54.66	+ 6 − 8	41.09	4.94	+ 6 + 9
12	23.57	40.83	−11 0	32.27	46.19	− 6 −10	38.73	54.98	+ 9 − 3	41.09	5.27	+ 2 +11
13	23.88	40.95	−11 − 5	32.53	46.43	− 1 −11	38.88	55.30	+ 9 + 2	41.09	5.60	− 2 +10
14	24.19	41.07	− 8 − 9	32.78	46.67	+ 3 −10	39.02	55.62	+ 7 + 7	41.08	5.93	− 5 + 7
15	24.50	41.19	− 4 −11	33.03	46.91	+ 7 − 6	39.16	55.94	+ 4 +10	41.07	6.26	− 7 + 3
16	24.81	41.32	0 −11	33.28	47.16	+ 9 − 1	39.29	56.27	0 +11	41.05	6.59	− 7 − 2
17	25.12	41.46	+ 4 − 9	33.53	47.41	+ 8 + 4	39.42	56.60	− 4 + 9	41.03	6.92	− 4 − 6
18	25.42	41.60	+ 8 − 4	33.77	47.67	+ 6 + 8	39.55	56.93	− 7 + 6	41.00	7.24	− 1 − 9
19	25.73	41.74	+ 8 + 1	34.01	47.93	+ 2 +11	39.67	57.26	− 8 + 1	40.96	7.55	+ 3 − 9
20	26.03	41.89	+ 7 + 6	34.25	48.19	− 2 +10	39.78	57.59	− 6 − 4	40.92	7.87	+ 6 − 8
21	26.33	42.04	+ 4 +10	34.49	48.46	− 6 + 8	39.89	57.92	− 3 − 7	40.88	8.19	+ 8 − 5
22	26.63	42.20	0 +11	34.72	48.73	− 7 + 4	40.00	58.25	0 − 9	40.83	8.50	+ 9 − 1
23	26.93	42.36	− 3 +10	34.94	49.00	− 7 − 1	40.10	58.58	+ 4 − 9	40.77	8.81	+ 8 + 2
24	27.23	42.53	− 6 + 7	35.17	49.28	− 5 − 5	40.19	58.91	+ 7 − 7	40.71	9.13	+ 6 + 6
25	27.53	42.70	− 7 + 2	35.39	49.55	− 2 − 8	40.28 / 40.37	59.24 / 59.58	+ 9 − 4 / + 9 0	40.65	9.44	+ 3 + 8
26	27.83	42.87	− 6 − 2	35.61	49.83	+ 2 − 9	40.45	59.92	+ 7 + 4	40.58	9.74	− 1 + 9
27	28.13	43.05	− 4 − 6	35.82	50.11	+ 5 − 8	40.53	60.25	+ 5 + 7	40.51	10.04	− 5 + 8
28	28.42	43.23	0 − 8	36.03	50.40	+ 8 − 6	40.60	60.58	+ 2 + 8	40.43	10.34	− 8 + 5
29	28.71	43.42	+ 3 − 9	36.24	50.69	+ 9 − 2	40.67	60.91	− 2 + 8	40.35	10.63	−10 + 2
30	29.00	43.61	+ 7 − 7	36.44	50.98	+ 9 + 1	40.73	61.24	− 6 + 7	40.26	10.92	−11 − 2
31	29.28	43.80	+ 8 − 4	36.64	51.27	+ 7 + 5	40.79	61.58	− 9 + 4	40.17	11.21	−10 − 7
32				36.83	51.57	+ 4 + 7				40.07	11.50	− 7 −10

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+85° 22′ 30″	12.402	+12.361	+85° 22′ 50″	12.417	+12.376	+85° 23′ 10″	12.432	+12.391
40	12.409	+12.369	60	12.424	+12.384	20	12.439	+12.399

$\alpha_{1934.0} = 4^h\ 15^m\ 4^s.71 \qquad \delta_{1934.0} = +\ 85°\ 22'\ 44''.26$

Nd) 51 Hev. Cephei $5^m.26$

Tag	Januar AR.	Januar Dekl.	Januar ☾ Glieder	Februar AR.	Februar Dekl.	Februar ☾ Glieder	März AR.	März Dekl.	März ☾ Glieder	April AR.	April Dekl.	April ☾ Glieder
	$7^h 10^m$	$+87° 9'$	in $0^s.01 \mid 0''.01$	$7^h 10^m$	$+87° 9'$	in $0^s.01 \mid 0''.01$	$7^h 10^m$	$+87° 9'$	in $0^s.01 \mid 0''.01$	$7^h 10^m$	$+87° 9'$	in $0^s.01 \mid 0''.01$
1	52.14	18.76	+ 2 − 9	52.92	28.66	+ 8 + 7	46.60	35.74	+ 6 + 8	34.88	39.18	−14 + 6
2	52.30	19.07	+ 6 − 7	52.79	28.96	+ 3 +10	46.28	35.93	0 +10	34.47	39.20	−16 + 1
3	52.46	19.37	+ 9 − 4	52.66	29.25	− 2 +11	45.95	36.12	− 6 +10	34.06	39.21	−16 − 4
4	52.61	19.68	+10 0	52.53	29.54	− 9 +10	45.62	36.30	−12 + 7	33.65	39.21	−12 − 8
5	52.74	19.99	+ 9 + 4	52.38	29.83	−15 + 7	45.28	36.48	−16 + 4	33.24	39.21	− 4 −10
6	52.87	20.30	+ 6 + 8	52.22	30.12	−18 + 3	44.94	36.65	−17 0	32.83	39.20	+ 3 −10
7	52.99	20.61	0 +11	52.06	30.40	−18 − 2	44.59	36.82	−15 − 5	32.42	39.19	+10 − 8
8	{53.10 / 53.20	20.92 / 21.23	− 6 +11 / −12 + 9}	51.89	30.68	−14 − 7	44.24	36.98	− 9 − 9	32.01	39.17	+15 − 3
9	53.29	21.54	−17 + 6	51.71	30.96	− 7 −10	43.89	37.14	− 2 −10	31.60	39.15	+16 + 2
10	53.37	21.85	−18 + 1	51.52	31.23	+ 1 −10	43.53	37.29	+ 5 − 9	31.19	39.12	+14 + 6
11	53.44	22.16	−16 − 4	51.32	31.50	+ 9 − 8	43.17	37.44	+12 − 6	30.78	39.08	+ 9 + 9
12	53.50	22.47	−11 − 9	51.12	31.77	+14 − 4	42.80	37.58	+15 − 1	30.37	39.04	+ 2 +10
13	53.56	22.78	− 3 −10	50.91	32.04	+16 + 1	42.43	37.72	+15 + 4	29.97	38.99	− 4 + 9
14	53.61	23.09	+ 5 −10	50.69	32.30	+15 + 5	42.05	37.85	+12 + 8	29.57	38.93	− 8 + 5
15	53.65	23.40	+12 − 7	50.47	32.55	+11 + 9	41.67	37.97	+ 6 +10	29.17	38.87	−11 + 1
16	53.67	23.71	+17 − 2	50.24	32.81	+ 5 +10	41.29	38.09	0 +10	28.78	38.80	−10 − 4
17	53.69	24.02	+18 + 3	50.00	33.06	− 1 + 9	40.91	38.20	− 5 + 7	28.38	38.73	− 8 − 7
18	53.70	24.34	+15 + 7	49.75	33.31	− 6 + 6	40.52	38.31	− 9 + 3	27.99	38.65	− 4 − 9
19	53.70	24.66	+ 9 + 9	49.49	33.55	− 9 + 2	40.13	38.41	−10 − 1	27.60	38.57	+ 1 −10
20	53.70	24.98	+ 3 +10	49.23	33.79	− 9 − 3	39.74	38.51	− 9 − 5	27.21	38.48	+ 5 − 9
21	53.68	25.30	− 3 + 7	48.96	34.02	− 8 − 7	39.35	38.60	− 6 − 8	26.82	38.38	+ 9 − 6
22	53.66	25.61	− 7 + 4	48.69	34.25	− 5 − 9	38.95	38.68	− 2 −10	26.43	38.28	+11 − 2
23	53.62	25.92	−10 0	48.41	34.48	0 −10	38.55	38.76	+ 3 −10	26.05	38.17	+11 + 2
24	53.58	26.23	−10 − 4	48.12	34.70	+ 4 − 9	38.15	38.83	+ 7 − 8	25.67	38.06	+ 8 + 6
25	53.53	26.54	− 7 − 8	47.83	34.91	+ 8 − 7	37.75	38.89	+10 − 5	25.30	37.94	+ 4 + 9
26	53.47	26.85	− 3 − 9	47.53	35.13	+11 − 3	37.34	38.95	+11 − 1	24.93	37.82	− 1 +10
27	53.40	27.16	+ 1 −10	47.23	35.34	+11 + 1	36.93	39.00	+10 + 3	24.56	37.69	− 8 +10
28	53.32	27.46	+ 5 − 8	46.92	35.54	+10 + 5	36.52	39.05	+ 7 + 7	24.20	37.55	−12 + 7
29	53.23	27.76	+ 9 − 5	46.60	35.74	+ 6 + 8	36.11	39.09	+ 2 +10	23.84	37.41	−16 + 3
30	53.14	28.06	+11 − 2				35.70	39.13	− 3 +10	23.48	37.27	−17 − 2
31	53.03	28.36	+11 + 3				35.29	39.16	− 9 + 9	23.13	37.12	−13 − 6
32	52.92	28.66	+ 8 + 7				34.88	39.18	−14 + 6			

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+87° 9′ 10″	20.132	+20.107	+87° 9′ 20″	20.151	+20.126	+87° 9′ 30″	20.171	+20.146
20	20.151	+20.126	30	20.171	+20.146	40	20.191	+20.166

$\alpha_{1934.0} = 7^h\ 10^m\ 16^s.08$ $\delta_{1934.0} = +87°\ 9'\ 16''.83$

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Nd) 51 Hev. Cephei $5^m.26$

Tag	Mai				Juni				Juli				August			
	AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder	
	$7^h 10^m$	$+87° 9'$	in $0^s.01$	$0''.01$	$7^h 10^m$	$+87° 9'$	in $0^s.01$	$0''.01$	$7^h 10^m$	$+87° 9'$	in $0^s.01$	$0''.01$	$7^h 10^m$	$+87° 9'$	in $0^s.01$	$0''.01$
1	$23^s.13$	$37''.12$	−13	− 6	$14^s.83$	$30''.25$	+12	− 7	$12^s.93$	$21''.00$	+16	+ 5	$17^s.88$	$11''.14$	− 4	+ 7
2	22.78	36.96	− 7	−10	14.66	29.97	+17	− 3	12.99	20.67	+12	+ 8	18.15	10.84	− 8	+ 3
3	22.44	36.80	+ 1	−11	14.50	29.69	+17	+ 2	13.05	20.34	+ 5	+10	18.43	10.54	− 9	− 2
4	22.10	36.64	+ 8	− 9	14.35	29.41	+14	+ 7	13.11	20.01	− 1	+ 9	18.71	10.24	− 8	− 6
5	21.76	36.47	+14	− 5	14.20	29.12	+ 9	+ 9	13.19	19.68	− 6	+ 5	19.00	9.95	− 5	− 9
6	21.43	36.29	+17	0	14.06	28.83	+ 2	+ 9	13.27	19.35	− 9	+ 1	19.29	9.66	0	−10
7	21.11	36.11	+16	+ 5	13.93	28.54	− 4	+ 8	13.36	19.03	−10	− 3	19.59	9.37	+ 5	−10
8	20.79	35.93	+12	+ 8	13.80	28.24	− 8	+ 4	13.45	18.71	− 8	− 7	19.89	9.08	+ 9	− 8
9	20.47	35.74	+ 5	+10	13.68	27.94	−11	0	13.56	18.39	− 4	− 9	20.20	8.80	+11	− 4
10	20.16	35.54	− 1	+ 9	13.57	27.64	−10	− 5	*)13.67	18.07	+ 1	−10	20.52	8.52	+12	0
11	19.86	35.34	− 7	+ 6	13.47	27.34	− 7	− 8	13.79	17.74	+ 5	− 9	20.84	8.24	+10	+ 4
12	19.56	35.14	−10	+ 2	13.37	27.04	− 2	−10	13.92	17.41	+ 9	− 6	21.17	7.96	+ 7	+ 7
13	19.27	34.93	−11	− 2	13.28	26.73	+ 2	−10	14.05	17.08	+11	− 2	21.51	7.69	+ 2	+10
14	18.98	34.72	− 9	− 6	13.20	26.43	+ 6	− 8	14.19	16.76	+10	+ 1	21.85	7.42	− 5	+10
15	18.70	34.50	− 6	− 9	13.12	26.12	+ 9	− 5	14.34	16.44	+ 9	+ 5	22.19	7.15	−11	+ 9
16	18.42	34.28	− 1	−10	13.05	25.81	+11	− 1	14.49	16.12	+ 4	+ 9	22.54	6.88	−16	+ 6
17	18.15	34.06	+ 4	− 9	12.99	25.50	+10	+ 3	14.65	15.80	− 1	+10	22.90	6.62	−18	+ 2
18	17.88	33.83	+ 8	− 7	12.94	25.19	+ 7	+ 7	14.82	15.48	− 8	+10	23.26	6.36	−17	− 3
19	17.62	33.60	+10	− 4	12.90	24.87	+ 2	+10	14.99	15.16	−13	+ 8	23.62	6.10	−13	− 7
20	17.37	33.36	+10	+ 1	12.86	24.55	− 4	+11	15.17	14.85	−17	+ 5	23.99	5.84	− 7	− 9
21	17.12	33.12	+ 9	+ 5	12.83	24.24	−10	+10	15.36	14.53	−19	0	24.37	5.59	+ 1	−10
22	16.88	32.88	+ 5	+ 8	12.81	23.92	−15	+ 7	15.55	14.21	−16	− 5	24.75	5.34	+ 8	− 7
23	16.64	32.63	0	+10	12.79	23.60	−18	+ 3	15.76	13.90	−11	− 8	25.13	5.09	+13	− 3
24	16.41	32.38	− 6	+10	12.78	23.28	−17	− 2	15.97	13.59	− 3	−10	25.52	4.85	+15	+ 2
25	16.19	32.13	−11	+ 9	12.78	22.96	−13	− 7	16.18	13.28	+ 5	− 9	25.92	4.61	+14	+ 6
26	15.98	31.87	−16	+ 5	12.79	22.64	− 7	−10	16.40	12.97	+12	− 6	26.32	4.38	+ 9	+ 9
27	15.77	31.61	−17	0	12.80	22.32	+ 1	−10	16.63	12.66	+16	− 1	26.73	4.14	+ 3	+10
28	15.57	31.35	−15	− 5	12.82	21.99	+ 9	− 8	16.87	12.35	+16	+ 4	27.14	3.91	− 3	+ 8
29	15.37	31.08	−10	− 8	12.85	21.66	+15	− 4	17.11	12.04	+13	+ 8	27.56	3.69	− 7	+ 5
30	15.18	30.81	− 3	−10	12.89	21.33	+17	0	17.36	11.74	+ 8	+ 9	27.98	3.47	− 9	0
31	15.00	30.53	+ 5	−10	12.93	21.00	+16	+ 5	17.62	11.44	+ 1	+ 9	28.40	3.25	− 9	− 4
32	14.83	30.25	+12	− 7					17.88	11.14	− 4	+ 7	28.83	3.03	− 7	− 8

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+87° 9′ 0″	20.112	+20.087	+87° 9′ 20″	20.151	+20.126	+87° 9′ 30″	20.171	+20.146
10	20.132	+20.107	30	20.171	+20.146	40	20.191	+20.166

$\alpha_{1934.0} = 7^h\ 10^m\ 16^s.08$ $\delta_{1934.0} = +87°\ 9'\ 16''.83$

*) Tag der doppelten unteren Kulmination: Juli 10

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Nd) 51 Hev. Cephei $5^{m}.26$

Tag	September			Oktober			November			Dezember		
	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder
	$7^h 10^m$	$+87° 8'$	in 0.01^s | $0.01''$	$7^h 10^m$	$+87° 8'$	in 0.01^s | $0.01''$	$7^h 10^m$	$+87° 8'$	in 0.01^s | $0.01''$	$7^h 11^m$	$+87° 9'$	in 0.01^s | $0.01''$
1	$28^s.83$	$63''.03$	− 7 − 8	$43^s.23$	$58''.37$	+ 6 − 9	$59^s.38$	$57''.89$	+11 + 3	$13^s.15$	$1''.92$	− 1 +10
2	29.26	62.82	− 1 −10	43.75	58.28	+10 − 7	59.88	57.95	+ 8 + 7	13.54	2.12	− 7 +10
3	29.70	62.61	+ 3 −10	44.27	58.20	+12 − 3	60.39	58.02	+ 3 + 9	13.92	2.33	−12 + 8
4	30.14	62.41	+ 8 − 8	44.79	58.12	+12 + 1	60.89	58.10	− 3 +10	14.30	2.54	−16 + 4
5	30.58	62.20	+11 − 6	45.31	58.05	+10 + 5	61.39	58.18	− 9 + 9	14.67	2.76	−17 0
6	31.03	62.00	+12 − 1	45.83	57.98	+ 6 + 8	61.89	58.26	−13 + 6	15.03	2.98	−15 − 5
7	31.48	61.81	+12 + 2	46.35	57.92	+ 1 +10	62.39	58.35	−16 + 2	15.39	3.21	−10 − 8
8	31.94	61.62	+ 8 + 6	46.87	57.86	− 5 +10	62.88	58.44	−16 − 2	15.74	3.44	− 3 −10
9	32.40	61.43	+ 4 + 9	47.39	57.80	−10 + 8	63.37	58.54	−13 − 7	16.09	3.67	+ 5 − 9
10	32.86	61.25	− 1 +10	47.91	57.75	−15 + 5	63.86	58.64	− 7 − 9	16.43	3.91	+12 − 6
11	33.32	61.07	− 8 +10	48.43	57.71	−17 0	64.34	58.75	+ 1 −10	16.76	4.15	+15 − 1
12	33.79	60.89	−13 + 7	48.95	57.67	−15 − 4	64.82	58.86	+ 8 − 8	17.08	4.40	+15 + 3
13	34.27	60.72	−17 + 3	49.47	57.63	−11 − 8	65.30	58.98	+13 − 4	17.40	4.64	+12 + 7
14	34.74	60.55	−17 − 1	50.00	57.60	− 5 − 9	65.77	59.11	+15 + 1	17.71	4.89	+ 7 +10
15	35.22	60.39	−15 − 6	50.53	57.58	+ 3 − 9	66.24	59.24	+14 + 5	18.02	5.15	0 + 9
16	35.70	60.23	− 9 − 9	51.06	57.56	+ 9 − 6	66.71	59.37	+ 9 + 9	18.32	5.41	− 6 + 7
17	36.19	60.08	− 2 −10	51.59	57.54	+13 − 2	67.17	59.51	+ 3 +10	18.61	5.67	−10 + 3
18	36.68	59.93	+ 5 − 8	52.12	57.53	+15 + 3	67.63	59.65	− 3 + 9	18.89	5.93	−11 − 2
19	37.17	59.78	+11 − 5	52.65	57.52	+12 + 7	68.08	59.80	− 8 + 6	19.16	6.20	− 9 − 6
20	37.66	59.64	+14 0	53.17	57.52	+ 6 +10	68.53	59.95	−11 + 1	19.43	6.48	− 5 − 9
21	38.16	59.50	+14 + 5	53.69	57.52	0 +10	68.97	60.11	−10 − 3	19.69	6.75	0 −10
22	38.66	59.37	+10 + 8	54.21	57.53	− 6 + 8	69.41	60.27	− 8 − 7	19.94	7.03	+ 5 − 9
23	39.16	59.24	+ 5 +10	54.73	57.54	− 9 + 4	69.84	60.44	− 3 −10	20.18	7.31	+10 − 7
24	39.66	59.12	− 2 + 9	55.25	57.56	−11 − 1	70.27	60.61	+ 2 −10	20.42	7.59	+12 − 3
25	40.16	59.00	− 7 + 6	55.77	57.59	− 9 − 5	70.70	60.78	+ 7 − 9	20.65	7.87	+12 0
26	40.67	58.89	−10 + 2	56.29	57.62	− 6 − 9	71.12	60.96	+10 − 6	20.87	8.16	+10 + 4
27	41.18	58.78	−10 − 3	56.81	57.65	− 1 −10	71.54	61.14	+12 − 2	21.08	8.45	+ 6 + 7
28	41.69	58.67	− 7 − 7	57.33	57.69	+ 4 −10	71.95	61.33	+12 + 2	21.28	8.74	+ 1 +10
29	42.20	58.57	− 3 − 9	57.85	57.73	+ 9 − 8	72.36	61.52	+ 9 + 6	21.48	9.03	− 5 +10
30	42.71	58.47	+ 1 −10	58.36	57.78	+11 − 5	72.76	61.72	+ 4 + 8	21.67	9.33	−11 + 9
31	43.23	58.37	+ 6 − 9	58.87	57.83	+12 − 1	73.15	61.92	− 1 +10	21.84	9.62	−15 + 6
32				59.38	57.89	+11 + 3				22.01	9.92	−18 + 2

δ	sec δ	tg δ	δ	sec δ	tg δ
+87° 8′ 50″	20.092	+20.068	+87° 9′ 0″	20.112	+20.087
60	20.112	+20.087	10	20.132	+20.107

$\alpha_{1934.0} = 7^h\ 10^m\ 16^s.08$ $\delta_{1934.0} = +87°\ 9'\ 16''.83$

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Ne) 1 Hev. Draconis $4^{m}.58$

Tag	Januar			Februar			März			April		
	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder
	$9^h 28^m$	$+81° 37'$	in 0.01 s | 0.01″	$9^h 28^m$	$+81° 37'$	in 0.01 s | 0.01″	$9^h 28^m$	$+81° 37'$	in 0.01 s | 0.01″	$9^h 27^m$	$+81° 37'$	in 0.01 s | 0.01″
	s	″		s	″		s	″		s	″	
1	1.06	0.70	−1 −8	4.06	7.91	+4 −1	4.36	16.45	+4 +5	62.09	24.16	−4 +10
2	1.19	0.88	+1 −8	4.11	8.20	+4 +3	4.32	16.74	+2 +9	61.98	24.35	−6 +7
3	1.33	1.06	+3 −7	4.16	8.48	+3 +7	4.28	17.03	0 +11	61.87	24.53	−6 +3
4	1.46	1.24	+4 −4	4.21	8.77	+1 +10	4.24	17.31	−3 +11	61.76	24.71	−5 −2
5	1.59	1.42	+4 0	4.25	9.06	−1 +12	4.20	17.59	−5 +9	61.65	24.89	−4 −7
6	1.71	1.61	+4 +5	4.29	9.35	−4 +11	4.15	17.87	−6 +6	61.54	25.06	−1 −10
7	1.83	1.81	+2 +9	4.33	9.64	−6 +9	4.10	18.15	−6 +1	61.43	25.22	+2 −10
8	1.95	2.01	0 +11	4.36	9.93	−7 +4	4.05	18.43	−5 −4	61.31	25.38	+5 −8
9	2.07	2.21	−2 +12	4.39	10.22	−6 −1	4.00	18.71	−3 −8	61.19	25.54	+6 −4
10	2.19	2.41	−5 +11	4.42	10.52	−4 −6	3.94	18.98	0 −10	61.08	25.69	+6 0
11	2.30	2.62	−6 +7	4.45	10.81	−2 −9	3.88	19.25	+3 −9	60.96	25.83	+5 +5
12	2.41	2.84	−7 +2	4.47 4.49	11.11 11.40	+1 −10 +4 −9	3.82	19.52	+5 −7	60.84	25.97	+3 +7
13	2.52	3.06	−6 −3	4.51	11.70	+6 −5	3.76	19.79	+6 −2	60.72	26.10	0 +8
14	2.63	3.28	−3 −8	4.52	12.00	+6 −1	3.69	20.05	+6 +2	60.60	26.23	−2 +7
15	2.73	3.51	0 −10	4.53	12.30	+6 +3	3.62	20.31	+4 +6	60.47	26.35	−4 +4
16	2.83	3.74	+3 −10	4.54	12.59	+4 +6	3.55	20.56	+2 +8	60.35	26.47	−4 +1
17	2.92	3.98	+5 −8	4.54	12.89	+1 +7	3.47	20.81	0 +8	60.22	26.59	−4 −3
18	3.02	4.22	+7 −4	4.54	13.19	−1 +7	3.40	21.06	−3 +6	60.10	26.70	−3 −6
19	3.11	4.46	+7 0	4.54	13.49	−3 +4	3.32	21.31	−4 +3	59.97	26.80	−2 −8
20	3.20	4.71	+5 +4	4.54	13.79	−4 +1	3.24	21.55	−4 −1	59.84	26.90	0 −9
21	3.29	4.96	+3 +7	4.53	14.09	−4 −3	3.15	21.79	−4 −5	59.71	26.99	+2 −8
22	3.37	5.21	+1 +7	4.52	14.39	−4 −6	3.06	22.02	−3 −7	59.58	27.08	+3 −5
23	3.45	5.47	−2 +6	4.50	14.69	−2 −8	2.97	22.25	−1 −9	59.45	27.16	+4 −2
24	3.53	5.73	−4 +3	4.48	14.98	0 −9	2.88	22.48	+1 −9	59.32	27.24	+4 +2
25	3.61	5.99	−4 0	4.46	15.28	+1 −9	2.79	22.71	+2 −7	59.19	27.31	+3 +6
26	3.68	6.26	−4 −4	4.44	15.57	+3 −6	2.70	22.93	+4 −4	59.06	27.37	+2 +9
27	3.75	6.53	−3 −7	4.42	15.87	+4 −3	2.60	23.15	+4 −1	58.93	27.43	−1 +11
28	3.82	6.80	−2 −8	4.39	16.16	+4 +1	2.50	23.36	+4 +3	58.80	27.48	−3 +11
29	3.88	7.07	0 −9	4.36	16.45	+4 +5	2.40	23.57	+3 +7	58.66	27.53	−5 +8
30	3.94	7.35	+2 −8				2.30	23.77	+1 +10	58.53	27.57	−6 +4
31	4.00	7.63	+4 −5				2.20	23.97	−1 +11	58.40	27.60	−6 −1
32	4.06	7.91	+4 −1				2.09	24.16	−4 +10			

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+81° 37′ 0″	6.859	+6.786	+81° 37′ 10″	6.861	+6.788	+81° 37′ 20″	6.863	+6.790
10	6.861	+6.788	20	6.863	+6.790	30	6.866	+6.792

$\alpha_{1934.0} = 9^h\ 27^m\ 49^s.94$ $\delta_{1934.0} = +81°\ 37'\ 13''.96$

Ne) 1 Hev. Draconis $4^m.58$

Tag	Mai			Juni			Juli			August		
	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder
	$9^h 27^m$	+81° 37′	in 0.01s | 0.01″	$9^h 27^m$	+81° 37′	in 0.01s | 0.01″	$9^h 27^m$	+81° 37′	in 0.01s | 0.01″	$9^h 27^m$	+81° 36′	in 0.01s | 0.01″
	s	″		s	″		s	″		s	″	
1	58.40	27.60	−6 − 1	54.46	25.89	+3 −10	51.73	19.66	+7 − 1	50.76	70.03	0 + 7
2	58.27	27.63	−4 − 6	54.35	25.75	+5 − 8	51.67	19.39	+6 + 3	50.77	69.69	−2 + 5
3	58.13	27.65	−2 − 9	54.24	25.61	+7 − 4	51.61	19.12	+4 + 6	50.77	69.34	−4 + 2
4	58.00	27.67	+1 −10	54.13	25.46	+6 0	51.55	18.84	+1 + 8	50.78	69.00	−4 − 2
5	57.86	27.68	+4 − 9	54.02	25.30	+5 + 5	51.50	18.56	−1 + 7	50.79	68.65	−4 − 6
6	57.73	27.69	+6 − 6	53.91	25.14	+3 + 7	51.44	18.28	−3 + 4	50.80	68.31	−2 − 8
7	57.60	27.69	+6 − 2	53.81	24.97	0 + 8	51.39	17.99	−4 + 1	50.81	67.96	0 −10
8	57.47	27.69	+6 + 3	53.70	24.80	−2 + 6	51.34	17.70	−4 − 3	50.83	67.61	+2 − 9
9	57.33	27.68	+4 + 6	53.59	24.62	−4 + 3	51.29	17.41	−3 − 6	50.85	67.26	+3 − 7
10	57.20	27.66	+1 + 8	53.49	24.44	−4 0	51.24	17.11	−2 − 9	50.87	66.91	+4 − 4
11	57.07	27.64	−1 + 8	53.39	24.25	−4 − 4	51.20	16.81	0 − 9	50.90	66.56	+4 0
12	56.94	27.61	−3 + 6	53.29	24.06	−3 − 7	51.16	16.51	+2 − 8	50.93	66.21	+4 + 4
13	56.81	27.58	−4 + 2	53.19	23.87	−1 − 9	51.12	16.21	+3 − 6	50.96	65.86	+3 + 8
14	56.68	27.54	−5 − 2	53.10	23.67	+1 − 9	51.08	15.91	+4 − 3	*)50.99	65.51	+1 +10
15	56.55	27.50	−4 − 5	53.00	23.46	+2 − 7	51.05	15.60	+4 + 2	51.02	65.16	−2 +12
16	56.43	27.45	−2 − 8	52.91	23.25	+4 − 5	51.01	15.29	+3 + 6	51.05	64.81	−4 +11
17	56.30	27.39	−1 − 9	52.82	23.04	+4 − 1	50.98	14.98	+2 + 9	51.09	64.45	−6 + 8
18	56.17	27.33	+1 − 8	52.73	22.83	+4 + 3	50.95	14.66	−1 +11	51.13	64.10	−7 + 4
19	56.04	27.26	+3 − 6	52.64	22.61	+3 + 7	50.92	14.34	−3 +12	51.17	63.75	−6 − 1
20	55.92	27.19	+4 − 3	52.56	22.38	+1 +10	50.90	14.02	−5 +10	51.21	63.40	−4 − 5
21	55.79	27.11	+4 + 1	52.47	22.15	−2 +12	50.88	13.70	−7 + 7	51.26	63.05	−2 − 8
22	55.66	27.02	+4 + 5	52.39	21.92	−4 +11	50.86	13.37	−7 + 2	51.31	62.69	+2 − 9
23	55.54	26.93	+2 + 8	52.31	21.68	−6 + 9	50.84	13.05	−5 − 3	51.36	62.34	+4 − 7
24	55.42	26.84	0 +11	52.23	21.44	−7 + 4	50.82	12.72	−3 − 7	51.41	61.99	+6 − 4
25	55.29	26.74	−2 +11	52.16	21.19	−6 − 1	50.81	12.39	0 − 9	51.47	61.64	+6 0
26	55.17	26.63	−4 +10	52.08	20.94	−4 − 6	50.79	12.06	+3 − 9	51.52	61.29	+5 + 4
27	55.05	26.52	−6 + 6	52.01	20.69	−2 − 9	50.78	11.72	+5 − 7	51.58	60.94	+3 + 7
28	54.93	26.41	−6 + 2	51.94	20.44	+2 −10	50.77	11.39	+7 − 3	51.64	60.59	+1 + 8
29	54.81	26.29	−5 − 3	51.87	20.18	+4 − 9	50.76	11.05	+6 + 1	51.70	60.24	−2 + 6
30	54.70	26.16	−3 − 8	51.80	19.92	+6 − 6	50.76	10.71	+5 + 5	51.76	59.89	−3 + 3
31	54.58	26.03	0 −10	51.73	19.66	+7 − 1	50.76	10.37	+2 + 7	51.83	59.54	−4 − 1
32	54.46	25.89	+3 −10				50.76	10.03	0 + 7	51.90	59.19	−4 − 5

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+81° 36′ 50″	6.857	+6.783	+81° 37′ 10″	6.861	+6.788	+81° 37′ 20″	6.863	+6.790
60	6.859	+6.786	20	6.863	+6.790	30	6.866	+6.792

$\alpha_{1934.0} = 9^h\ 27^m\ 49^s.94$ $\delta_{1934.0} = +81°\ 37'\ 13''.96$

*) Tag der doppelten unteren Kulmination: Aug. 14.

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Ne) 1 Hev. Draconis $4^m.58$

Tag	September			Oktober			November			Dezember		
	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder
	$9^h 27^m$	$+81° 36'$	in $0^s.01$ | $0''.01$	$9^h 27^m$	$+81° 36'$	in $0^s.01$ | $0''.01$	$9^h 27^m$	$+81° 36'$	in $0^s.01$ | $0''.01$	$9^h 28^m$	$+81° 36'$	in $0^s.01$ | $0''.01$
	s	″		s	″		s	″		s	″	
1	51.90	59.19	−4 − 5	54.89	49.54	0 −10	59.49	42.34	+5 − 1	4.67	39.68	+2 + 9
2	51.97	58.85	−3 − 8	55.02	49.25	+2 − 9	59.66	42.18	+4 + 3	4.84	39.68	−1 +11
3	52.05	58.51	−1 −10	55.15	48.97	+4 − 7	59.83	42.02	+3 + 7	5.01	39.68	−3 +11
4	52.12	58.16	+1 −10	55.28	48.69	+5 − 4	60.00	41.86	+1 + 9	5.18	39.69	−5 + 9
5	52.20	57.82	+3 − 8	55.41	48.41	+5 0	60.17	41.71	−1 +11	5.35	39.70	−6 + 6
6	52.28	57.48	+4 − 6	55.54	48.14	+4 + 4	60.34	41.57	−3 +10	5.52	39.72	−6 + 1
7	52.36	57.14	+5 − 2	55.68	47.87	+2 + 8	60.51	41.43	−5 + 8	5.69	39.75	−5 − 4
8	52.44	56.80	+4 + 2	55.82	47.60	0 +10	60.68	41.30	−6 + 4	5.86	39.78	−3 − 7
9	52.52	56.46	+3 + 6	55.96	47.34	−2 +11	60.85	41.17	−6 − 1	6.03	39.82	0 − 9
10	52.61	56.12	+2 + 9	56.10	47.08	−4 + 9	61.03	41.04	−4 − 5	6.20	39.86	+3 − 9
11	52.71	55.79	−1 +11	56.24	46.82	−6 + 6	61.20	40.92	−2 − 8	6.36	39.91	+5 − 7
12	52.80	55.46	−3 +11	56.39	46.57	−6 + 2	61.37	40.81	+1 − 9	6.52	39.97	+6 − 3
13	52.89	55.13	−5 + 9	56.53	46.32	−5 − 3	61.54	40.70	+4 − 8	6.69	40.03	+6 + 2
14	52.99	54.80	−6 + 5	56.68	46.07	−4 − 6	61.72	40.59	+6 − 5	6.85	40.10	+4 + 6
15	53.09	54.47	−6 + 1	56.82	45.83	−1 − 9	61.89	40.49	+6 0	7.01	40.17	+2 + 8
16	53.18	54.14	−5 − 4	56.97	45.59	+2 − 9	62.07	40.40	+5 + 4	7.17	40.25	−1 + 8
17	53.28	53.82	−3 − 7	57.12	45.35	+4 − 7	62.24	40.31	+3 + 7	7.33	40.33	−3 + 6
18	53.39	53.50	0 − 9	57.27	45.12	+6 − 3	62.42	40.23	+1 + 8	7.49	40.42	−4 + 2
19	53.49	53.18	+3 − 8	57.42	44.89	+6 + 2	62.59	40.15	−2 + 7	7.64	40.51	−4 − 2
20	53.60	52.86	+5 − 5	57.58	44.67	+4 + 6	62.77	40.08	−4 + 5	7.79	40.61	−3 − 6
21	53.71	52.54	+6 − 1	57.73	44.45	+2 + 8	62.94	40.02	−4 + 1	7.95	40.72	−2 − 9
22	53.82	52.23	+5 + 3	57.88	44.24	0 + 8	63.11	39.96	−4 − 3	8.10	40.83	0 −10
23	53.93	51.92	+4 + 7	58.04	44.03	−3 + 6	63.29	39.90	−3 − 7	8.25	40.95	+2 − 9
24	54.05	51.61	+1 + 8	58.20	43.83	−4 + 3	63.46	39.85	−1 − 9	8.40	41.07	+3 − 7
25	54.16	51.31	−1 + 7	58.36	43.63	−4 − 1	63.63	39.81	+1 −10	8.55	41.20	+4 − 4
26	54.28	51.01	−3 + 5	58.52	43.43	−4 − 5	63.81	39.78	+2 − 8	8.69	41.33	+4 0
27	54.40	50.71	−4 + 1	58.68	43.24	−2 − 8	63.98	39.75	+4 − 6	8.84	41.47	+4 + 4
28	54.52	50.41	−4 − 3	58.84	43.05	0 −10	64.15	39.72	+5 − 2	8.98	41.61	+2 + 8
29	54.64	50.12	−3 − 7	59.00	42.87	+1 −10	64.32	39.70	+4 + 1	9.12	41.76	0 +10
30	54.76	49.83	−2 − 9	59.17	42.69	+3 − 8	64.50	39.69	+3 + 5	9.26	41.91	−2 +11
31	54.89	49.54	0 −10	59.33	42.51	+4 − 5	64.67	39.68	+2 + 9	9.40	42.07	−4 +10
32				59.49	42.34	+5 − 1				9.53	42.24	−6 + 8

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+81° 36′ 30″	6.852	+6.779	+81° 36′ 40″	6.854	+6.781	+81° 36′ 50″	6.857	+6.783
40	6.854	+6.781	50	6.857	+6.783	60	6.859	+6.786

$\alpha_{1934.0} = 9^h\ 27^m\ 49^s.94$ $\delta_{1934.0} = +81°\ 37'\ 13''.96$

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Nf) 30 Hev. Camelopardalis $5^m.34$

Tag	Januar AR.	Januar Dekl.	Januar ☾ Glieder		Februar AR.	Februar Dekl.	Februar ☾ Glieder		März AR.	März Dekl.	März ☾ Glieder		April AR.	April Dekl.	April ☾ Glieder	
	10^h23^m	+82° 53′	in $0^s.01$	in $0''.01$	10^h23^m	+82° 53′	in $0^s.01$	in $0''.01$	10^h23^m	+82° 53′	in $0^s.01$	in $0''.01$	10^h23^m	+82° 53′	in $0^s.01$	in $0''.01$
1	23.05	26.75	−2	−7	27.46	32.47	+5	−3	28.91	40.81	+5	+3	27.31	49.60	−3	+11
2	23.23	26.86	0	−8	27.56	32.73	+5	+1	28.91	41.11	+4	+7	27.21	49.84	−5	+9
3	23.41	26.97	+2	−7	27.65	32.99	+4	+6	28.90	41.42	+1	+10	27.11	50.08	−7	+5
4	23.58	27.09	+4	−4	27.74	33.25	+3	+9	28.89	41.72	−1	+12	27.00	50.31	−7	0
5	23.75	27.21	+5	−1	27.83	33.51	0	+12	28.88	42.02	−4	+11	26.89	50.54	−5	−5
6	23.92	27.34	+5	+4	27.92	33.78	−3	+12	28.86	42.33	−6	+8	26.78	50.77	−2	−9
7	24.08	27.47	+4	+8	28.00	34.05	−5	+10	28.84	42.63	−7	+4	26.67	50.99	+1	−10
8	24.25	27.61	+2	+11	28.08	34.32	−7	+7	28.82	42.93	−6	−1	26.56	51.21	+4	−9
9	24.41	27.76	−1	+12	28.15	34.60	−7	+2	28.79	43.23	−4	−6	26.45	51.43	+6	−6
10	24.57	27.91	−4	+12	28.22	34.88	−6	−3	28.76	43.53	−1	−9	26.33	51.64	+7	−2
11	24.73	28.07	−6	+9	28.29	35.16	−3	−8	28.73	43.82	+2	−10	26.21	51.85	+6	+2
12	24.89	28.23	−7	+4	28.36	35.44	0	−10	28.69	44.12	+5	−8	26.09	52.05	+4	+6
13	25.05	28.40	−7	−1	28.42	35.73	+4	−9	28.65	44.42	+7	−5	25.97	52.25	+1	+7
14	25.20	28.57	−5	−6	28.48	36.02	+6	−7	28.61	44.71	+7	−1	25.84	52.44	−1	+7
15	25.35	28.75	−2	−10	28.53	36.31	+7	−4	28.57	45.00	+6	+3	25.71	52.63	−4	+5
16	25.49	28.93	+2	−11	28.58	36.60	+7	0	28.52	45.29	+3	+6	25.58	52.81	−5	+2
17	25.63	29.12	+5	−9	28.63	36.89	+5	+4	28.47	45.58	0	+7	25.45	52.99	−5	−1
18	25.77	29.31	+7	−6	28.67	37.18	+2	+6	28.41	45.87	−2	+6	25.32	53.16	−5	−4
19	25.91	29.51	+7	−2	28.71	37.48	0	+7	28.35	46.15	−4	+4	25.19	53.33	−3	−7
20	26.05	29.71	+6	+2	28.75	37.78	−3	+5	28.29	46.43	−5	+1	25.05	53.49	−1	−8
21	26.18	29.92	+4	+5	28.78	38.08	−4	+3	28.22	46.71	−5	−3	24.91	53.65	+1	−8
22	26.31	30.13	+1	+6	28.81	38.38	−5	−1	28.15	46.99	−4	−6	24.77	53.80	+3	−6
23	26.44	30.34	−1	+6	28.83	38.68	−5	−4	28.08	47.27	−2	−8	24.63	53.95	+4	−3
24	26.56	30.56	−4	+4	28.85	38.99	−3	−7	28.01	47.54	0	−8	24.49	54.09	+5	0
25	26.68	30.78	−5	+1	28.87	39.29	−2	−8	27.93	47.81	+2	−8	24.34	54.23	+5	+4
26	26.80	31.01	−5	−2	28.89 / 28.90	39.59 / 39.89	0 / +3	−8 / −7	27.85	48.08	+4	−6	24.20	54.36	+3	+8
27	26.92	31.24	−4	−5	28.91	40.20	+4	−5	27.77	48.34	+5	−2	24.05	54.49	+1	+10
28	27.03	31.48	−3	−7	28.91	40.50	+5	−1	27.68	48.60	+5	+1	23.91	54.61	−2	+11
29	27.14	31.72	−1	−8	28.91	40.81	+5	+3	27.59	48.86	+4	+5	23.76	54.73	−4	+10
30	27.25	31.97	+1	−8					27.50	49.11	+2	+9	23.61	54.84	−6	+6
31	27.36	32.22	+3	−6					27.41	49.36	0	+11	23.46	54.95	−7	+2
32	27.46	32.47	+5	−3					27.31	49.60	−3	+11				

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+82° 53′ 20″	8.078	+8.016	+82° 53′ 30″	8.081	+8.019	+82° 53′ 50″	8.087	+8.025
30	8.081	+8.019	40	8.084	+8.022	60	8.091	+8.028

$\alpha_{1934.0} = 10^h\ 23^m\ 12^s.12$ $\delta_{1934.0} = +82°\ 53'\ 45''.09$

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Nf) 30 Hev. Camelopardalis $5^m.34$

Tag	Mai AR.	Mai Dekl.	Mai ℂ Glieder	Juni AR.	Juni Dekl.	Juni ℂ Glieder	Juli AR.	Juli Dekl.	Juli ℂ Glieder	August AR.	August Dekl.	August ℂ Glieder
	$10^h 23^m$	$+82° 53'$	in $0^s.01$ | $0''.01$	$10^h 23^m$	$+82° 53'$	in $0^s.01$ | $0''.01$	$10^h 23^m$	$+82° 53'$	in $0^s.01$ | $0''.01$	$10^h 23^m$	$+82° 53'$	in $0^s.01$ | $0''.01$
	s	"		s	"		s	"		s	"	
1	23.46	54.95	−7 + 2	18.63	55.43	+2 −11	14.57	50.87	+7 − 4	12.08	42.10	+1 + 7
2	23.31	55.05	−6 − 3	18.48	55.35	+5 −10	14.46	50.64	+7 0	12.04	41.77	−2 + 6
3	23.16	55.15	−3 − 8	18.33	55.27	+7 − 7	14.36	50.41	+5 + 4	12.00	41.44	−4 + 3
4	23.01	55.24	0 −10	18.18	55.18	+7 − 2	14.25	50.18	+2 + 6	11.96	41.10	−5 0
5	22.86	55.32	+3 −10	18.03	55.09	+6 + 2	14.14	49.94	0 + 7	11.92	40.76	−5 − 4
6	22.70	55.40	+6 − 8	17.88	54.99	+4 + 6	14.04	49.70	−3 + 5	11.89	40.42	−4 − 7
7	22.55	55.47	+7 − 4	17.74	54.89	+1 + 7	13.94	49.45	−5 + 2	11.86	40.08	−2 − 9
8	22.40	55.54	+7 0	17.59	54.78	−2 + 7	13.83	49.20	−5 − 1	11.83	39.74	0 − 9
9	22.24	55.60	+5 + 4	17.44	54.67	−4 + 5	13.73	48.94	−5 − 5	11.81	39.39	+2 − 8
10	22.08	55.65	+3 + 7	17.30	54.55	−5 + 1	13.64	48.68	−3 − 7	11.79	39.04	+4 − 6
11	21.92	55.70	0 + 8	17.15	54.42	−5 − 2	13.55	48.42	−1 − 9	11.77	38.69	+5 − 2
12	21.76	55.75	−3 + 6	17.01	54.29	−4 − 5	13.46	48.15	+1 − 8	11.75	38.33	+5 + 2
13	21.60	55.79	−5 + 4	16.87	54.16	−2 − 7	13.37	47.88	+3 − 7	11.73	37.98	+4 + 6
14	21.44	55.82	−5 0	16.73	54.02	0 − 8	13.28	47.60	+4 − 4	11.71	37.62	+2 + 9
15	21.28	55.85	−5 − 3	16.60	53.87	+2 − 8	13.20	47.32	+5 0	11.70	37.27	−1 +12
16	21.13	55.87	−4 − 6	16.46	53.72	+3 − 6	13.11	47.04	+5 + 4	11.69	36.91	−3 +12
17	20.97	55.88	−2 − 8	16.32	53.56	+5 − 2	13.03	46.76	+3 + 8	11.68	36.55	−6 +10
18	20.81	55.89	0 − 8	16.19	53.40	+5 + 1	12.95	46.47	+1 +11	11.68	36.19	−7 + 6
19	20.65	55.90	+2 − 7	16.05	53.23	+4 + 6	12.87	46.18	−2 +12	11.68	35.83	−7 + 2
20	20.50	55.90	+4 − 5	15.92	53.06	+2 + 9	12.80	45.88	−4 +11	11.68	35.46	−5 − 3
21	20.34	55.89	+5 − 1	15.79	52.89	0 +12	12.72	45.58	−6 + 9	11.68	35.10	−3 − 7
22	20.18	55.88	+5 + 3	15.66	52.71	−3 +12	12.65	45.28	−7 + 4	11.69	34.73	+1 − 9
23	20.03	55.86	+4 + 7	15.53	52.52	−5 +10	12.58	44.97	−6 − 1	11.70	34.37	+4 − 8
24	19.87	55.83	+1 +10	15.41	52.33	−7 + 6	12.52	44.66	−4 − 6	11.71	34.00	+6 − 6
25	19.72	55.80	−1 +12	15.28	52.14	−7 + 2	12.46	44.35	−1 − 9	11.73	33.63	+7 − 2
26	19.56	55.77	−4 +11	15.16	51.94	−6 − 4	12.40	44.04	+2 −10	11.75	33.26	+6 + 2
27	19.41	55.73	−6 + 8	15.04	51.73	−3 − 8	12.34	43.73	+5 − 9	11.77	32.90	+4 + 5
28	19.25	55.68	−7 + 4	14.92	51.52	0 −10	12.28	43.41	+7 − 5	*)11.79	32.53	+2 + 7
29	19.10	55.63	−6 − 1	14.80	51.31	+4 −10	12.23	43.09	+7 − 1	11.81	32.16	−1 + 7
30	18.94	55.57	−4 − 6	14.69	51.09	+6 − 8	12.18	42.76	+6 + 3	11.84	31.79	−3 + 4
31	18.79	55.50	−1 −10	14.57	50.87	+7 − 4	12.13	42.43	+3 + 6	11.87	31.42	−5 + 1
32	18.63	55.43	+2 −11				12.08	42.10	+1 + 7	11.90	31.05	−5 − 3

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+82° 53′ 30″	8.081	+8.019	+82° 53′ 40″	8.084	+8.022	+82° 53′ 50″	8.087	+8.025
40	8.084	+8.022	50	8.087	+8.025	60	8.091	+8.028

$\alpha_{1934.0} = 10^h\ 23^m\ 12^s.12$ $\delta_{1934.0} = +82°\ 53'\ 45''.09$

*) Tag der doppelten unteren Kulmination: Aug. 28.

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Nf) 30 Hev. Camelopardalis $5^m.34$

Tag	September AR.	September Dekl.	September ☾ Glieder	Oktober AR.	Oktober Dekl.	Oktober ☾ Glieder	November AR.	November Dekl.	November ☾ Glieder	Dezember AR.	Dezember Dekl.	Dezember ☾ Glieder
	$10^h 23^m$	$+82° 53'$	in $0^s.01$ | $0''.01$	$10^h 23^m$	$+82° 53'$	in $0^s.01$ | $0''.01$	$10^h 23^m$	$+82° 53'$	in $0^s.01$ | $0''.01$	$10^h 23^m$	$+82° 53'$	in $0^s.01$ | $0''.01$
	s	"		s	"		s	"		s	"	
1	11.90	31.05	−5 − 3	14.04	20.19	−1 − 9	18.38	10.95	+5 − 3	23.98	5.89	+3 + 7
2	11.93	30.68	−4 − 6	14.15	19.85	+1 − 9	18.55	10.71	+5 + 1	24.17	5.81	+1 +10
3	11.97	30.31	−2 − 8	14.26	19.51	+3 − 8	18.72	10.47	+4 + 5	24.37	5.73	−2 +11
4	12.01	29.94	0 − 9	14.37	19.17	+4 − 5	18.89	10.24	+2 + 8	24.57	5.66	−4 +10
5	12.05	29.57	+2 − 9	14.48	18.84	+5 − 2	19.06	10.01	0 +10	24.77	5.59	−6 + 8
6	12.10	29.20	+4 − 7	14.60	18.51	+5 + 2	19.24	9.79	−3 +11	24.96	5.53	−7 + 4
7	12.15	28.83	+5 − 4	14.72	18.18	+4 + 6	19.41	9.57	−5 + 9	25.16	5.48	−6 − 1
8	12.20	28.46	+5 0	14.84	17.85	+2 + 9	19.59	9.36	−6 + 6	25.36	5.43	−4 − 6
9	12.25	28.09	+5 + 4	14.96	17.52	−1 +11	19.77	9.15	−7 + 1	25.56	5.39	−1 − 9
10	12.30	27.72	+3 + 8	15.09	17.20	−4 +10	19.95	8.94	−5 − 3	25.76	5.36	+2 −10
11	12.36	27.35	+1 +10	15.22	16.88	−6 + 8	20.13	8.74	−3 − 7	25.96	5.33	+5 − 8
12	12.42	26.98	−2 +11	15.35	16.57	−7 + 4	20.32	8.55	0 − 9	26.15	5.31	+7 − 5
13	12.48	26.62	−5 +10	15.49	16.26	−6 0	20.50	8.36	+3 − 9	26.35	5.29	+7 − 1
14	12.55	26.25	−6 + 7	15.62	15.95	−5 − 4	20.68	8.18	+6 − 7	26.54	5.28	+5 + 3
15	12.62	25.88	−7 + 3	15.76	15.64	−2 − 8	20.87	8.00	+7 − 3	26.74	5.27	+3 + 6
16	12.69	25.51	−6 − 1	15.90	15.33	+1 − 9	21.06	7.83	+6 + 1	26.93	5.27	0 + 7
17	12.76	25.15	−4 − 6	16.04	15.03	+4 − 8	21.25	7.66	+4 + 5	27.12	5.28	−3 + 6
18	12.84	24.78	−1 − 8	16.18	14.73	+6 − 5	21.44	7.50	+2 + 7	27.32	5.30	−4 + 4
19	12.91	24.41	+2 − 9	16.32	14.44	+7 − 1	21.63	7.34	−1 + 8	27.51	5.32	−5 0
20	12.99	24.05	+5 − 7	16.47	14.15	+6 + 3	21.83	7.19	−3 + 6	27.70	5.35	−5 − 4
21	13.07	23.69	+7 − 3	16.62	13.86	+3 + 7	22.02	7.04	−5 + 3	27.89	5.38	−3 − 7
22	13.16	23.33	+7 + 1	16.77	13.58	+1 + 8	22.21	6.90	−5 − 1	28.07	5.42	−1 − 9
23	13.25	22.98	+5 + 5	16.92	13.30	−2 + 7	22.40	6.76	−4 − 5	28.26	5.46	+1 − 9
24	13.34	22.62	+3 + 7	17.08	13.02	−4 + 4	22.60	6.63	−3 − 8	28.45	5.51	+3 − 8
25	13.43	22.27	0 + 7	17.23	12.75	−5 + 1	22.79	6.51	−1 − 9	28.63	5.57	+4 − 5
26	13.52	21.92	−3 + 6	17.39	12.48	−5 − 3	22.99	6.39	+2 − 9	28.82	5.63	+5 − 2
27	13.62	21.57	−4 + 3	17.55	12.21	−4 − 6	23.18	6.28	+3 − 7	29.00	5.70	+5 + 2
28	13.72	21.22	−5 − 1	17.71	11.95	−2 − 8	23.38	6.17	+5 − 4	29.18	5.78	+4 + 6
29	13.82	20.87	−4 − 5	17.88	11.69	0 − 9	23.58	6.07	+5 0	29.36	5.86	+2 + 9
30	13.93	20.53	−3 − 8	18.04	11.44	+2 − 8	23.78	5.98	+5 + 4	29.54	5.95	−1 +11
31	14.04	20.19	−1 − 9	18.21	11.19	+4 − 6	23.98	5.89	+3 + 7	29.72	6.04	−3 +11
32				18.38	10.95	+5 − 3				29.89	6.14	−6 +10

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+82° 53′ 0″	8.072	+8.010	+82° 53′ 10″	8.075	+8.013	+82° 53′ 30″	8.081	+8.019
10	8.075	+8.013	20	8.078	+8.016	40	8.084	+8.022

$\alpha_{1934.0} = 10^h\ 23^m\ 12^s.12$ $\delta_{1934.0} = +82°\ 53'\ 45''.09$

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Ng) ε Ursae minoris $4^{m}.40$

Tag	Januar AR.	Januar Dekl.	Januar ☾ Glieder	Februar AR.	Februar Dekl.	Februar ☾ Glieder	März AR.	März Dekl.	März ☾ Glieder	April AR.	April Dekl.	April ☾ Glieder
	16^h52^m	+82° 8′	in $0^s.01$ | $0''.01$	16^h52^m	+82° 8′	in $0^s.01$ | $0''.01$	16^h52^m	+82° 8′	in $0^s.01$ | $0''.01$	16^h52^m	+82° 8′	in $0^s.01$ | $0''.01$
	s	"		s	"		s	"		s	"	
1	30.40	38.83	−3 + 6	33.34	30.10	−1 − 7	37.50	26.55	0 − 9	42.24	28.53	+4 − 3
2	30.46	38.50	−3 + 2	33.47	29.89	+1 − 9	37.66	26.52	+1 − 9	42.38	28.69	+4 + 2
3	30.52	38.16	−2 − 2	33.60	29.69	+2 − 9	37.82	26.49	+3 − 8	42.52	28.86	+3 + 7
4	30.58	37.83	−1 − 5	33.73	29.49	+3 − 7	37.98	26.47	+3 − 5	42.65	29.03	+1 +10
5	30.64	37.50	0 − 8	33.87	29.30	+4 − 3	38.14	26.46	+4 − 1	42.78	29.21	0 +11
6	30.71	37.18	+1 − 9	34.01	29.12	+4 + 1	38.30	26.45	+3 + 4	42.91	29.39	−2 + 9
7	30.78	36.86	+3 − 8	34.15	28.94	+3 + 6	38.46	26.45	+2 + 8	43.04	29.58	−3 + 6
8	30.85	36.54	+4 − 6	34.29	28.77	+2 +10	38.62	26.45	+1 +11	43.17	29.77	−3 0
9	30.93	36.23	+4 − 1	34.43	28.60	0 +11	38.78	26.46	−1 +11	43.29	29.97	−3 − 5
10	31.01	35.92	+4 + 3	34.57	28.44	−2 +10	38.94	26.48	−2 + 8	43.41	30.18	−2 − 9
11	31.09	35.61	+3 + 8	34.72	28.28	−3 + 7	39.09	26.51	−3 + 4	43.53	30.39	0 −11
12	31.17	35.31	+1 +11	34.86	28.13	−3 + 2	39.25	26.54	−3 − 2	43.65	30.60	+1 −11
13	31.25	35.01	−1 +11	35.01	27.98	−3 − 4	39.41	26.58	−2 − 6	43.77	30.82	+2 − 8
14	31.34	34.71	−2 + 9	35.16	27.84	−2 − 8	39.57	26.62	−1 −10	43.88	31.04	+3 − 4
15	31.43	34.42	−3 + 5	35.31	27.71	−1 −11	39.73	26.67	0 −11	43.99	31.27	+2 + 1
16	31.52	34.13	−4 − 1	35.47	27.59	+1 −11	39.89	26.73	+1 −10	44.10	31.50	+2 + 5
17	31.62	33.84	−3 − 6	35.62	27.47	+2 − 9	40.04	26.80	+2 − 7	44.21	31.74	0 + 8
18	31.72	33.56	−2 −10	35.77	27.36	+2 − 5	40.19	26.87	+2 − 2	44.32	31.98	−1 + 9
19	31.82	33.28	0 −12	35.93	27.25	+2 − 1	40.35	26.95	+2 + 2	44.43	32.22	−2 + 9
20	31.92	33.01	+1 −11	36.08	27.15	+2 + 4	40.50	27.03	+1 + 6	44.53	32.47	−3 + 8
21	32.03	32.74	+2 − 8	36.24	27.06	+1 + 7	40.65	27.12	0 + 9	44.63	32.72	−3 + 4
22	32.14	32.48	+2 − 3	36.40	26.97	0 + 9	40.80	27.22	−1 + 9	44.73	32.98	−3 0
23	32.25	32.22	+2 + 1	36.55	26.89	−2 + 9	40.95	27.33	−2 + 8	44.83	33.24	−2 − 4
24	32.36	31.96	+1 + 5	36.71	26.82	−2 + 8	41.10	27.44	−3 + 6	44.92	33.50	−1 − 7
25	32.48	31.71	0 + 8	36.87	26.75	−3 + 5	41.24	27.55	−3 + 2	45.01	33.77	0 − 9
26	32.60	31.47	−1 + 9	37.03	26.69	−3 + 1	41.39	27.67	−2 − 1	45.10	34.04	+2 − 9
27	32.72	31.23	−2 + 9	37.18	26.64	−2 − 3	41.54	27.80	−2 − 5	45.19	34.31	+3 − 7
28	32.84	30.99	−3 + 7	37.34	26.59	−1 − 6	41.68	27.94	0 − 8	45.27	34.59	+4 − 4
29	32.96	30.76	−3 + 3	37.50	26.55	0 − 9	41.82	28.08	+1 − 9	45.35	34.87	+4 0
30	33.08	30.54	−3 0				41.96	28.22	+2 − 9	45.43	35.15	+3 + 5
31	33.21	30.32	−2 − 4				42.10	28.37	+3 − 6	45.50	35.44	+2 + 9
32	33.34	30.10	−1 − 7				42.24	28.53	+4 − 3			

δ	sec δ	tg δ	δ	sec δ	tg δ
+82° 8′ 20″	7.311	+7.243	+82° 8′ 30″	7.314	+7.245
30	7.314	+7.245	40	7.317	+7.248

$\alpha_{1934.0} = 16^h\ 52^m\ 39^s.76$ $\delta_{1934.0} = +82°\ 8'\ 55''.66$

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Ng) ε Ursae minoris $4^{m}.40$

Tag	Mai AR.	Mai Dekl.	Mai ☾ Glieder	Juni AR.	Juni Dekl.	Juni ☾ Glieder	Juli AR.	Juli Dekl.	Juli ☾ Glieder	August AR.	August Dekl.	August ☾ Glieder
	$16^h 52^m$	+82° 8′	in $0.^s01$ | $0.''01$	$16^h 52^m$	+82° 8′	in $0.^s01$ | $0.''01$	$16^h 52^m$	+82° 8′	in $0.^s01$ | $0.''01$	$16^h 52^m$	+82° 9′	in $0.^s01$ | $0.''01$
1	45.50	35.44	+2 + 9	46.50	45.23	−3 + 5	44.87	54.73	−1 −11	41.01	1.50	+2 − 2
2	45.57	35.73	0 +11	46.49	45.56	−4 − 1	44.77	55.00	0 −11	40.85	1.65	+2 + 2
3	45.64	36.02	−2 +10	46.47	45.88	−3 − 6	44.68	55.27	+2 − 9	40.70	1.80	+1 + 6
4	45.71	36.31	−3 + 7	46.45	46.21	−2 −10	44.58	55.54	+2 − 5	40.54	1.94	0 + 9
5	45.77	36.61	−3 + 2	{46.43 46.41	46.54 46.86	0 −12} +1 −11}	44.48	55.80	+2 0	40.39	2.08	−2 + 9
6	45.83	36.91	−3 − 3	46.38	47.18	+2 − 8	44.38	56.06	+2 + 4	40.23	2.22	−2 + 8
7	45.89	37.21	−2 − 8	46.35	47.50	+2 − 3	44.27	56.32	0 + 8	40.07	2.35	−3 + 5
8	45.95	37.52	−1 −11	46.32	47.82	+2 + 2	44.17	56.57	−1 + 9	39.91	2.48	−3 + 2
9	46.01	37.83	0 −11	46.29	48.14	+1 + 6	44.06	56.82	−2 + 9	39.75	2.60	−3 − 2
10	46.06	38.14	+2 − 9	46.25	48.46	0 + 8	43.95	57.06	−3 + 7	39.59	2.72	−2 − 5
11	46.11	38.45	+2 − 6	46.21	48.78	−1 + 9	43.84	57.30	−3 + 4	39.42	2.83	0 − 8
12	46.15	38.76	+3 − 1	46.17	49.10	−2 + 8	43.72	57.54	−3 0	39.26	2.94	+1 − 9
13	46.20	39.08	+2 + 4	46.12	49.41	−3 + 6	43.60	57.77	−2 − 3	39.10	3.04	+2 − 8
14	46.24	39.39	+1 + 7	46.07	49.72	−3 + 3	43.48	58.00	−1 − 6	38.93	3.14	+3 − 6
15	46.28	39.71	0 + 9	46.02	50.03	−2 − 1	43.36	58.23	0 − 9	38.76	3.23	+4 − 2
16	46.31	40.03	−1 +10	45.97	50.34	−2 − 5	43.23	58.46	+2 − 9	38.59	3.32	+4 + 3
17	46.34	40.35	−2 + 8	45.92	50.65	0 − 7	43.11	58.68	+3 − 8	38.42	3.40	+3 + 7
18	46.37	40.67	−3 + 5	45.86	50.96	+1 − 9	42.98	58.90	+4 − 4	38.25	3.47	+2 +10
19	46.40	40.99	−3 + 1	45.80	51.26	+2 − 9	42.85	59.11	+4 0	38.08	3.54	0 +11
20	46.43	41.31	−2 − 2	45.73	51.56	+3 − 6	42.72	59.32	+4 + 4	37.91	3.61	−1 +10
21	46.45	41.64	−1 − 6	45.67	51.86	+4 − 3	42.59	59.53	+3 + 8	37.73	3.67	−3 + 6
22	46.47	41.96	0 − 8	45.60	52.16	+4 + 2	42.45	59.73	+1 +11	37.56	3.73	−3 + 1
23	46.48	42.29	+1 − 9	45.53	52.46	+3 + 6	42.32	59.92	−1 +11	37.38	3.78	−3 − 4
24	46.49	42.62	+3 − 8	45.46	52.75	+2 +10	42.18	60.11	−2 + 8	37.20	3.83	−2 − 9
25	46.50	42.94	+4 − 5	45.38	53.04	0 +11	42.04	60.30	−3 + 4	37.03	3.87	0 −11
26	46.51	43.27	+4 − 1	45.30	53.33	−2 +10	41.90	60.49	−3 − 2	36.85	3.91	+1 −11
27	46.52	43.60	+4 + 3	45.22	53.61	−3 + 7	41.75	60.67	−3 − 7	36.67	3.94	+2 − 8
28	46.52	43.93	+2 + 8	45.14	53.89	−4 + 1	41.61	60.84	−2 −11	36.50	3.97	+2 − 4
29	46.52	44.25	+1 +10	45.05	54.17	−3 − 4	41.46	61.01	0 −12	36.32	3.99	+2 + 1
30	46.52	44.58	−1 +11	44.96	54.45	−2 − 8	41.31	61.18	+1 −10	36.14	4.01	+1 + 5
31	46.51	44.90	−2 + 9	44.87	54.73	−1 −11	41.16	61.34	+2 − 7	35.96	4.02	0 + 8
32	46.50	45.23	−3 + 5				41.01	61.50	+2 − 2	35.78	4.03	−1 + 9

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+82° 8′ 30″	7.314	+7.245	+82° 8′ 40″	7.317	+7.248	+82° 9′ 0″	7.322	+7.253
40	7.317	+7.248	50	7.319	+7.250	10	7.324	+7.256

$\alpha_{1934.0} = 16^h\ 52^m\ 39.^s76$ $\delta_{1934.0} = +82°\ 8'\ 55.''66$

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Ng) ε Ursae minoris $4^m.40$

Tag	September			Oktober			November			Dezember		
	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder
	16^h52^m	+ 82° 9′	in $0^s.01$ | $0''.01$	16^h52^m	+ 82° 8′	in $0^s.01$ | $0''.01$	16^h52^m	+ 82° 8′	in $0^s.01$ | $0''.01$	16^h52^m	+ 82° 8′	in $0^s.01$ | $0''.01$
1	35.78	4.03	−1 + 9	30.43	61.92	−3 + 4	25.80	55.27	−1 − 8	23.27	45.69	+3 − 7
2	35.60	4.03	−2 + 8	30.26	61.77	−3 + 1	25.68	54.99	+1 − 9	23.23	45.34	+3 − 4
3	35.42	4.03	−3 + 6	30.09	61.62	−3 − 3	25.56	54.71	+2 − 8	23.19	44.99	+4 0
4	35.24	4.02	−3 + 3	29.92	61.46	−1 − 6	25.44	54.43	+3 − 6	*)23.15	44.63	+3 + 4
5	35.06	4.01	−3 − 1	29.76	61.30	0 − 8	25.32	54.14	+4 − 3	23.12	44.28	+2 + 8
6	34.88	3.99	−2 − 5	29.59	61.13	+1 − 9	25.21	53.85	+3 + 2	23.09	43.93	+1 +10
7	34.70	3.97	−1 − 7	29.42	60.96	+2 − 8	25.10	53.55	+3 + 6	23.06	43.57	−1 +10
8	34.52	3.94	0 − 9	29.26	60.78	+3 − 5	24.99	53.25	+2 + 9	23.04	43.21	−2 + 8
9	34.34	3.91	+2 − 9	29.10	60.60	+4 − 1	24.89	52.95	0 +11	23.02	42.85	−3 + 4
10	34.16	3.87	+3 − 7	28.94	60.42	+3 + 3	24.79	52.64	−1 +10	23.00	42.50	−3 − 1
11	33.97	3.83	+4 − 4	28.78	60.23	+3 + 7	24.69	52.33	−3 + 7	22.99	42.14	−2 − 6
12	33.79	3.78	+4 + 1	28.62	60.03	+1 +10	24.59	52.02	−3 + 2	22.98	41.78	−1 −10
13	33.61	3.72	+3 + 5	28.47	59.83	0 +11	24.50	51.71	−3 − 3	22.97	41.42	0 −11
14	33.43	3.66	+2 + 9	28.31	59.63	−2 + 9	24.41	51.40	−2 − 8	22.97	41.07	+1 −10
15	33.25	3.60	+1 +11	28.16	59.43	−3 + 5	24.32	51.08	−1 −11	22.97	40.71	+2 − 6
16	33.07	3.53	−1 +11	28.00	59.22	−3 0	24.23	50.76	+1 −11	22.97	40.36	+3 − 2
17	32.89	3.46	−2 + 8	27.85	59.00	−3 − 5	24.15	50.43	+2 − 9	22.97	40.00	+2 + 3
18	32.71	3.38	−3 + 3	27.70	58.78	−1 − 9	24.07	50.11	+3 − 5	22.98	39.65	+1 + 7
19	32.53	3.30	−3 − 2	27.55	58.56	0 −11	23.99	49.78	+2 0	22.99	39.29	0 + 9
20	32.36	3.21	−2 − 7	27.40	58.33	+1 −10	23.91	49.44	+2 + 5	23.01	38.94	−2 + 9
21	32.18	3.12	−1 −10	27.26	58.10	+2 − 7	23.84	49.11	0 + 8	23.03	38.59	−3 + 8
22	32.00	3.02	+1 −11	27.12	57.86	+3 − 3	23.77	48.78	−1 + 9	23.05	38.24	−3 + 5
23	31.83	2.91	+2 − 9	26.98	57.62	+2 + 2	23.70	48.44	−2 + 9	23.07	37.89	−3 + 1
24	31.65	2.80	+3 − 6	26.84	57.37	+1 + 6	23.64	48.10	−3 + 7	23.09	37.54	−2 − 3
25	31.47	2.69	+2 − 1	26.70	57.12	0 + 9	23.58	47.77	−3 + 3	23.12	37.19	−1 − 6
26	31.30	2.57	+2 + 4	26.56	56.87	−1 + 9	23.52	47.43	−3 0	23.15	36.85	0 − 8
27	31.12	2.45	+1 + 7	26.43	56.61	−2 + 8	23.46	47.08	−2 − 4	23.19	36.50	+1 − 9
28	30.95	2.32	−1 + 9	26.30	56.35	−3 + 5	23.41	46.73	−1 − 7	23.23	36.16	+2 − 8
29	30.77	2.19	−2 + 9	26.17	56.09	−3 + 2	23.36	46.39	0 − 8	23.27	35.82	+3 − 5
30	30.60	2.06	−3 + 7	26.04	55.82	−3 − 2	23.31	46.04	+2 − 9	23.32	35.48	+4 − 2
31	30.43	1.92	−3 + 4	25.92	55.55	−2 − 5	23.27	45.69	+3 − 7	23.37	35.15	+4 + 3
32				25.80	55.27	−1 − 8				23.42	34.81	+3 + 7

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+82° 8′ 30″	7.314	+7.245	+82° 8′ 40″	7.317	+7.248	+82° 9′ 0″	7.322	+7.253
40	7.317	+7.248	50	7.319	+7.250	10	7.324	+7.256

$\alpha_{1934.0} = 16^h\ 52^m\ 39^s.76$ $\qquad$ $\delta_{1934.0} = +82°\ 8'\ 55''.66$

*) Tag der doppelten unteren Kulmination: Dez. 4.

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Nh) δ Ursae minoris $4^m.44$

Tag	Januar			Februar			März			April		
	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder
	17^h53^m	+86° 36′	in $0^s.01$ | $0''.01$	17^h53^m	+86° 36′	in $0^s.01$ | $0''.01$	17^h53^m	+86° 36′	in $0^s.01$ | $0''.01$	17^h53^m	+86° 36′	in $0^s.01$ | $0''.01$
	s	"		s	"		s	"		s	"	
1	3.32	35.98	− 5 + 7	7.00	26.41	− 5 − 6	15.02	21.03	− 3 − 8	25.92	20.58	+10 − 5
2	3.33	35.64	− 7 + 4	7.22	26.15	− 1 − 9	15.36	20.92	0 −10	26.27	20.66	+11 0
3	3.35	35.30	− 7 0	7.45	25.90	+ 3 −10	15.70	20.82	+ 5 −10	26.61	20.75	+10 + 4
4	3.38	34.97	− 6 − 4	7.69	25.65	+ 7 − 9	16.05	20.72	+ 8 − 7	26.95	20.85	+ 7 + 8
5	3.41	34.64	− 3 − 8	7.93	25.40	+10 − 6	16.39	20.63	+11 − 3	27.29	20.96	+ 3 +11
6	3.45	34.30	0 −10	8.17	25.16	+12 − 2	16.74	20.55	+11 + 1	27.63	21.07	− 2 +11
7	3.50	33.97	+ 5 −10	8.42	24.92	+11 + 3	17.09	20.47	+10 + 6	27.96	21.18	− 7 + 8
8	3.56	33.64	+ 9 − 8	8.68	24.69	+ 9 + 8	17.44	20.40	+ 6 + 9	28.29	21.30	− 9 + 3
9	3.62	33.31	+11 − 4	8.94	24.46	+ 4 +11	17.79	20.34	+ 1 +11	28.62	21.43	−10 − 3
10	3.69	32.98	+12 0	9.20	24.24	− 1 +11	18.14	20.28	− 4 + 9	28.94	21.56	− 8 − 7
11	3.77	32.66	+11 + 5	9.47	24.02	− 6 + 8	18.49	20.22	− 8 + 6	29.26	21.70	− 5 −10
12	3.86	32.33	+ 7 + 9	9.74	23.81	− 9 + 4	18.85	20.17	−10 + 1	29.58	21.85	− 1 −11
13	3.95	32.00	+ 2 +11	10.02	23.60	−10 − 1	19.20	20.13	− 9 − 4	29.89	22.00	+ 3 − 9
14	4.05	31.68	− 3 +10	10.30	23.40	− 9 − 6	19.56	20.10	− 7 − 9	30.20	22.15	+ 6 − 6
15	4.16	31.36	− 8 + 7	10.59	23.20	− 6 −10	19.92	20.07	− 4 −11	30.51	22.31	+ 7 − 1
16	4.28	31.05	−11 + 2	10.88	23.01	− 3 −11	20.27	20.05	+ 1 −10	30.81	22.48	+ 6 + 4
17	4.40	30.74	−11 − 3	11.18	22.82	+ 1 −10	20.63	20.04	+ 4 − 8	31.11	22.65	+ 4 + 7
18	4.53	30.43	− 9 − 8	11.48	22.64	+ 4 − 6	20.99	20.03	+ 6 − 4	31.41	22.83	+ 1 + 9
19	4.66	30.12	− 6 −11	11.79	22.47	+ 6 − 2	21.35	20.03	+ 7 + 1	31.70	23.01	− 2 +10
20	4.80	29.81	− 1 −11	12.10	22.30	+ 6 + 3	21.70	20.03	+ 6 + 5	31.99	23.20	− 5 + 8
21	4.95	29.51	+ 2 − 9	12.41	22.13	+ 5 + 6	22.06	20.04	+ 3 + 9	32.28	23.39	− 6 + 6
22	5.10	29.21	+ 5 − 5	12.73	21.97	+ 2 + 9	22.41	20.06	0 +10	32.56	23.59	− 7 + 2
23	5.26	28.91	+ 6 0	13.05	21.82	− 1 +10	22.77	20.08	− 3 +10	32.84	23.79	− 7 − 2
24	5.43	28.62	+ 6 + 4	13.37	21.67	− 4 + 9	23.12	20.11	− 5 + 8	33.11	24.00	− 5 − 6
25	5.61	28.33	+ 4 + 8	13.69	21.53	− 6 + 7	23.48	20.15	− 7 + 4	33.37	24.21	− 2 − 8
26	5.79	28.05	+ 1 +10	14.02	21.40	− 7 + 3	23.83	20.19	− 7 0	33.63	24.42	+ 2 −10
27	5.98	27.77	− 2 +10	14.35	21.27	− 7 − 1	24.18	20.24	− 6 − 4	33.89	24.64	+ 6 − 9
28	6.17	27.49	− 5 + 8	14.68	21.15	− 6 − 5	24.53	20.30	− 4 − 7	34.15	24.86	+ 9 − 6
29	6.37	27.21	− 7 + 5	15.02	21.03	− 3 − 8	24.88	20.36	− 1 − 9	34.40	25.09	+11 − 2
30	6.57	26.94	− 7 + 1				25.23	20.43	+ 3 −10	34.64	25.32	+10 + 3
31	6.78	26.67	− 7 − 2				25.58	20.50	+ 7 − 8	34.88	25.56	+ 8 + 7
32	7.00	26.41	− 5 − 6				25.92	20.58	+10 − 5			

δ	sec δ	tg δ	δ	sec δ	tg δ
+86° 36′ 20″	16.889	+16.860	+86° 36′ 30″	16.903	+16.873
30	16.903	+16.873	40	16.917	+16.887

$\alpha_{1934.0} = 17^h\ 53^m\ 29^s.95$ $\delta_{1934.0} = +86°\ 36'\ 46''.82$

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Nh) δ Ursae minoris $4^m.44$

Tag	Mai			Juni			Juli			August		
	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder
	$17^h 53^m$	+ 86° 36′	in $0^s.01$ | $0''.01$	$17^h 53^m$	+ 86° 36′	in $0^s.01$ | $0''.01$	$17^h 53^m$	+ 86° 36′	in $0^s.01$ | $0''.01$	$17^h 53^m$	+ 86° 36′	in $0^s.01$ | $0''.01$
1	34.88	25.56	+ 8 + 7	39.49	34.45	− 8 + 7	38.07	44.47	− 7 −10	30.92	53.03	+ 5 − 4
2	35.12	25.80	+ 4 +10	39.54	34.77	−11 + 2	37.92	44.78	− 3 −11	30.61	53.26	+ 6 + 1
3	35.35	26.04	− 1 +11	39.59	35.10	−11 − 3	37.77	45.08	+ 1 −10	30.29	53.48	+ 5 + 6
4	35.57	26.29	− 6 + 9	39.63	35.42	− 9 − 8	37.61	45.39	+ 4 − 6	29.97	53.70	+ 2 + 9
5	35.79	26.54	− 9 + 5	39.66	35.74	− 5 −11	37.44	45.70	+ 6 − 2	29.65	53.92	− 1 +10
6	36.00	26.80	−11 0	39.68	36.07	− 1 −11	37.27	46.00	+ 6 + 3	29.32	54.13	− 4 + 9
7	36.21	27.06	−10 − 5	39.70	36.39	+ 3 − 9	37.09	46.30	+ 4 + 7	28.99	54.34	− 7 + 7
8	36.41	27.32	− 7 − 9	39.71	36.71	+ 6 − 5	36.91	46.61	+ 1 + 9	28.65	54.55	− 8 + 4
9	36.61	27.59	− 3 −11	39.72	37.04	+ 7 0	36.72	46.91	− 2 +10	28.31	54.75	− 8 0
10	36.80	27.86	+ 1 −10	39.72	37.36	+ 6 + 5	36.53	47.20	− 5 + 9	27.97	54.95	− 7 − 4
11	36.98	28.13	+ 5 − 7	39.71	37.69	+ 4 + 8	36.33	47.50	− 7 + 6	27.62	55.15	− 4 − 7
12	37.16	28.41	+ 7 − 3	39.70	38.02	0 +10	36.13	47.79	− 8 + 2	27.27	55.34	0 − 9
13	37.33	28.69	+ 7 + 2	39.68	38.35	− 3 +10	35.92	48.08	− 7 − 2	26.91	55.52	+ 4 −10
14	37.50	28.97	+ 5 + 6	39.65	38.67	− 5 + 8	35.70	48.36	− 5 − 5	26.55	55.70	+ 7 − 8
15	37.66	29.26	+ 3 + 9	39.62	39.00	− 7 + 5	35.48	48.64	− 2 − 8	26.19	55.88	+10 − 5
16	37.82	29.55	0 +10	39.58	39.33	− 7 + 1	35.25	48.92	+ 1 −10	25.83	56.06	+12 0
17	37.97	29.84	− 3 + 9	39.53	39.66	− 6 − 3	35.02	49.20	+ 6 − 9	25.46	56.23	+11 + 4
18	38.11	30.13	− 6 + 7	39.48	39.98	− 4 − 7	34.78	49.48	+ 9 − 7	25.09	56.39	+ 9 + 8
19	38.25	30.42	− 7 + 3	39.42	40.31	0 − 9	34.54	49.75	+11 − 3	24.71	56.55	+ 4 +10
20	38.38	30.72	− 7 − 1	39.35 39.28	40.63 40.96	+ 3 −10 + 7 − 9	34.29	50.02	+12 + 1	24.33	56.71	− 1 +10
21	38.51	31.02	− 6 − 5	39.20	41.29	+10 − 6	34.04	50.29	+10 + 6	23.95	56.86	− 5 + 8
22	38.63	31.33	− 3 − 8	39.11	41.61	+12 − 1	33.78	50.56	+ 7 + 9	23.56	57.01	− 8 + 3
23	38.75	31.63	+ 1 −10	39.02	41.93	+11 + 3	33.52	50.82	+ 2 +11	23.17	57.15	− 9 − 2
24	38.86	31.94	+ 5 −10	38.92	42.25	+ 9 + 8	33.25	51.08	− 3 + 9	22.78	57.29	− 8 − 7
25	38.96	32.25	+ 8 − 8	38.82	42.57	+ 4 +10	32.97	51.34	− 7 + 6	22.39	57.43	− 5 −10
26	39.05	32.56	+11 − 4	38.71	42.89	− 1 +11	32.69	51.59	−10 + 1	22.00	57.56	− 1 −11
27	39.14	32.87	+11 + 1	38.59	43.20	− 6 + 8	32.41	51.84	−10 − 4	21.60	57.69	+ 2 − 9
28	39.22	33.18	+10 + 5	38.47	43.52	− 9 + 4	32.12	52.08	− 8 − 9	21.20	57.81	+ 5 − 5
29	39.30	33.49	+ 6 + 9	38.34	43.84	−11 − 1	31.83	52.32	− 4 −11	20.79	57.93	+ 6 − 1
30	39.37	33.81	+ 1 +11	38.21	44.15	−10 − 6	31.53	52.56	0 −10	20.39	58.04	+ 5 + 4
31	39.43	34.13	− 4 +10	38.07	44.47	− 7 −10	31.23	52.80	+ 3 − 8	19.98	58.15	+ 3 + 8
32	39.49	34.45	− 8 + 7				30.92	53.03	+ 5 − 4	19.56	58.26	0 +10

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+86° 36′ 20″	16.889	+16.860	+86° 36′ 30″	16.903	+16.873	+86° 36′ 50″	16.931	+16.901
30	16.903	+16.873	40	16.917	+16.887	60	16.945	+16.915

$\alpha_{1934.0} = 17^h\ 53^m\ 29^s.95$ $\delta_{1934.0} = +86°\ 36'\ 46''.82$

Nh) δ Ursae minoris $4^m.44$

Tag	September AR.	September Dekl.	September ☾ Glieder		Oktober AR.	Oktober Dekl.	Oktober ☾ Glieder		November AR.	November Dekl.	November ☾ Glieder		Dezember AR.	Dezember Dekl.	Dezember ☾ Glieder	
	17^h53^m	+86° 36′	in $0^s.01$	in $0''.01$	17^h52^m	+86° 36′	in $0^s.01$	in $0''.01$	17^h52^m	+86° 36′	in $0^s.01$	in $0''.01$	17^h52^m	+86° 36′	in $0^s.01$	in $0''.01$
1	$19^s.56$	$58''.26$	0	+10	$66^s.72$	$59''.13$	−7	+6	$54^s.17$	$55''.39$	−5	−7	$45^s.42$	$47''.84$	+5	−9
2	19.15	58.36	−3	+10	66.29	59.08	−8	+3	53.81	55.19	−1	−9	45.22	47.54	+8	−6
3	18.74	58.45	−6	+8	65.86	59.03	−8	−1	53.45	54.99	+2	−9	45.02	47.23	+11	−3
4	18.32	58.54	−7	+5	65.43	58.97	−6	−5	53.10	54.79	+6	−8	44.83	46.92	+11	+2
5	17.90	58.63	−8	+1	65.00	58.91	−4	−8	52.75	54.58	+9	−5	44.64	46.61	+9	+6
6	17.49	58.71	−8	−3	64.57	58.84	0	−9	52.41	54.37	+11	−1	44.46	46.30	+6	+9
7	17.07	58.78	−5	−6	64.15	58.77	+4	−9	52.07	54.15	+10	+3	44.29	45.98	+1	+10
8	16.64	58.85	−2	−9	63.72	58.69	+7	−7	51.73	53.93	+8	+7	44.12	45.67	−3	+9
9	16.22	58.92	+2	−10	63.29	58.61	+10	−4	51.40	53.70	+4	+10	43.96	45.35	−7	+6
10	15.79	58.98	+6	−9	62.87	58.53	+11	+1	51.07	53.47	−1	+10	43.81	45.02	−10	+1
11	15.37	59.04	+9	−6	62.45	58.44	+10	+5	50.75	53.24	−5	+8	43.67	44.70	−10	−4
12	14.94	59.09	+11	−2	62.03	58.34	+7	+9	50.43	53.00	−8	+4	43.53	44.38	−7	−8
13	14.51	59.14	+11	+2	61.62	58.24	+2	+10	50.12	52.76	−9	−1	43.40	44.05	−4	−10
14	14.09	59.18	+9	+7	61.20	58.13	−2	+10	49.81	52.52	−9	−6	43.27	43.72	+1	−10
15	13.66	59.22	+6	+10	60.79	58.02	−6	+7	49.51	52.27	−5	−10	43.15	43.40	+4	−8
16	13.23	59.25	+1	+11	60.38	57.90	−8	+2	49.22	52.02	−1	−11	43.04	43.07	+6	−3
17	12.80	59.27	−3	+9	59.97	57.78	−9	−3	48.93	51.76	+3	−10	42.94	42.73	+7	+2
18	12.36	59.29	−7	+5	59.56	57.65	−7	−8	48.64	51.50	+6	−6	42.84	42.40	+5	+6
19	11.92	59.31	−9	0	59.16	57.52	−3	−10	48.36	51.24	+7	−1	42.75	42.06	+2	+9
20	11.49	59.32	−9	−5	58.76	57.38	+1	−10	48.08	50.98	+7	+3	*)42.67	41.73	−1	+10
21	11.05	59.33	−6	−9	58.36	57.24	+4	−9	47.81	50.71	+4	+7	42.60	41.39	−4	+9
22	10.62	59.33	−2	−11	57.96	57.09	+6	−4	47.55	50.44	+1	+10	42.53	41.06	−7	+7
23	10.19	59.33	+2	−10	57.57	56.94	+7	0	47.29	50.16	−2	+10	42.47	40.72	−8	+3
24	9.75	59.32	+5	−7	57.18	56.79	+6	+5	47.04	49.88	−6	+8	42.42	40.39	−8	−1
25	9.32	59.31	+6	−3	56.79	56.63	+3	+8	46.79	49.60	−8	+5	42.38	40.05	−6	−5
26	8.89	59.29	+6	+2	56.41	56.47	0	+10	46.55	49.31	−8	+2	42.34	39.72	−4	−7
27	8.45	59.27	+4	+6	56.03	56.30	−4	+9	46.31	49.02	−8	−2	42.31	39.38	0	−9
28	8.02	59.24	+1	+9	55.65	56.13	−7	+7	46.08	48.73	−5	−6	42.29	39.05	+4	−9
29	7.59	59.21	−2	+10	55.27	55.95	−8	+4	45.85	48.44	−2	−8	42.27	38.71	+8	−7
30	7.15	59.17	−5	+9	54.90	55.77	−8	0	45.63	48.14	+1	−9	42.26	38.38	+10	−4
31	6.72	59.13	−7	+6	54.53	55.58	−7	−4	45.42	47.84	+5	−9	42.26	38.04	+11	0
32					54.17	55.39	−5	−7					42.27	37.70	+11	+4

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+86° 36′ 30″	16.903	+16.873	+86° 36′ 40″	16.917	+16.887	+86° 36′ 50″	16.931	+16.901
40	16.917	+16.887	50	16.931	+16.901	60	16.945	+16.915

$\alpha_{1934.0} = 17^h\ 53^m\ 29^s.95$ $\qquad$ $\delta_{1934.0} = +86°\ 36'\ 46''.82$

*) Tag der doppelten unteren Kulmination: Dez. 20.

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Ni) λ Ursae minoris $6^m.55$

Tag	Januar				Februar				März				April			
	AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder	
	18^h40^m	+89° 2′	in $0.^s01$	in $0.''01$	18^h40^m	+89° 1′	in $0.^s01$	in $0.''01$	18^h40^m	+89° 1′	in $0.^s01$	in $0.''01$	18^h41^m	+89° 1′	in $0.^s01$	in $0.''01$
	s	"			s	"			s	"			s	"		
1	*)3.49	13.89	−14	+ 8	7.81	64.07	−23	− 5	30.55	57.48	−19	− 7	7.11	55.09	+33	− 7
2	3.24	13.57	−22	+ 5	8.35	63.78	−13	− 9	31.61	57.31	− 6	− 9	8.34	55.11	+41	− 3
3	3.02	13.24	−27	+ 1	8.91	63.50	+ 2	−10	32.68	57.15	+10	−11	9.57	55.14	+42	+ 2
4	2.82	12.91	−25	− 3	9.50	63.22	+19	−10	33.76	56.99	+26	− 9	10.79	55.17	+34	+ 7
5	2.65	12.59	−18	− 7	10.10	62.94	+34	− 8	34.85	56.84	+39	− 6	12.01	55.21	+18	+10
6	2.51	12.26	− 6	−10	10.73	62.66	+44	− 4	35.96	56.70	+44	− 1	13.23	55.26	− 1	+11
7	2.39	11.93	+10	−11	11.38	62.39	+47	+ 1	37.07	56.56	+42	+ 4	14.44	55.31	−20	+ 9
8	2.30	11.60	+27	−10	12.05	62.12	+40	+ 6	38.20	56.43	+30	+ 8	15.65	55.37	−34	+ 5
9	2.23	11.28	+40	− 7	12.75	61.85	+25	+ 9	39.34	56.30	+13	+10	16.86	55.43	−40	0
10	2.19	10.95	+47	− 2	13.46	61.59	+ 5	+11	40.49	56.18	− 7	+10	18.06	55.50	−38	− 5
11	2.18	10.63	+45	+ 3	14.20	61.33	−15	+ 9	41.64	56.07	−25	+ 7	19.25	55.58	−27	− 9
12	2.19	10.30	+34	+ 8	14.95	61.08	−32	+ 6	42.81	55.96	−37	+ 3	20.44	55.66	−12	−11
13	2.23	9.98	+16	+10	15.73	60.83	−41	+ 1	43.98	55.86	−40	− 2	21.62	55.75	+ 5	−10
14	2.29	9.65	− 5	+10	16.52	60.59	−41	− 4	45.16	55.76	−35	− 7	22.79	55.84	+18	− 7
15	2.38	9.33	−25	+ 8	17.34	60.35	−32	− 8	46.35	55.67	−22	−10	23.96	55.94	+26	− 2
16	2.50	9.00	−39	+ 4	18.17	60.11	−18	−10	47.54	55.59	− 6	−10	25.11	56.05	+28	+ 2
17	2.64	8.68	−45	− 1	19.02	59.88	− 2	−10	48.74	55.51	+ 9	− 9	26.26	56.16	+23	+ 6
18	2.81	8.36	−41	− 6	19.89	59.65	+12	− 7	49.94	55.44	+20	− 5	27.40	56.28	+13	+ 9
19	3.01	8.04	−30	− 9	20.78	59.43	+22	− 3	51.15	55.38	+26	0	28.53	56.40	+ 1	+10
20	3.23	7.72	−14	−10	21.69	59.21	+25	+ 1	52.36	55.32	+25	+ 4	29.65	56.53	−11	+ 9
21	3.48	7.40	+ 2	− 9	22.61	59.00	+22	+ 5	53.58	55.27	+19	+ 8	30.76	56.66	−20	+ 7
22	3.75	7.09	+16	− 6	23.55	58.79	+14	+ 8	54.80	55.22	+ 8	+ 9	31.86	56.80	−27	+ 3
23	4.05	6.78	+23	− 1	24.50	58.59	+ 4	+10	56.02	55.18	− 4	+10	32.95	56.94	−28	− 1
24	4.37	6.47	+25	+ 3	25.47	58.39	− 8	+10	57.25	55.15	−15	+ 9	34.03	57.09	−24	− 5
25	4.71	6.16	+20	+ 7	26.46	58.20	−19	+ 8	58.48	55.12	−24	+ 6	35.09	57.25	−14	− 8
26	5.08	5.85	+11	+ 9	27.46	58.01	−26	+ 5	59.71	55.10	−28	+ 2	36.15	57.41	− 1	−10
27	5.47	5.55	0	+10	28.48	57.83	−29	0	60.94	55.08	−28	− 2	37.19	57.58	+14	−10
28	5.89	5.25	−11	+ 9	29.51	57.65	−27	− 4	62.18	55.07	−22	− 6	38.22	57.75	+29	− 8
29	6.33	4.95	−21	+ 6	30.55	57.48	−19	− 7	63.42	55.07	−11	− 9	39.24	57.93	+39	− 4
30	6.80	4.66	−27	+ 3					64.65	55.07	+ 3	−10	40.24	58.11	+42	0
31	7.29	4.36	−28	− 1					65.88	55.08	+19	−10	41.23	58.29	+37	+ 5
32	7.81	4.07	−23	− 5					67.11	55.09	+33	− 7				

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+89° 1′ 50″	59.104	+59.096	+89° 2′ 0″	59.274	+59.266	+89° 2′ 10″	59.445	+59.437
60	59.274	+59.266	10	59.445	+59.437	20	59.617	+59.608

$\alpha_{1934.0} = 18^h\ 41^m\ 45^s.73$ $\delta_{1934.0} = +89°\ 2'\ 19''.46$

*) Tag der doppelten unteren Kulmination: Jan. 1.

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Ni) λ Ursae minoris $6^m.55$

Tag	Mai AR.	Mai Dekl.	Mai ☾ Glieder		Juni AR.	Juni Dekl.	Juni ☾ Glieder		Juli AR.	Juli Dekl.	Juli ☾ Glieder		August AR.	August Dekl.	August ☾ Glieder	
		+	in			+	in			+	in			+	in	
	18^h41^m	89° 1′	0.01s	0.01″	18^h42^m	89° 2′	0.01s	0.01″	18^h41^m	89° 2′	0.01s	0.01″	18^h41^m	89° 2′	0.01s	0.01″
	s	″			s	″			s	″			s	″		
1	41.23	58.29	+37	+ 5	3.46	6.07	−26	+ 8	66.06	15.70	−43	− 4	47.28	25.64	+18	− 4
2	42.20	58.48	+24	+ 9	3.87	6.37	−39	+ 4	65.80	16.03	−35	− 8	46.37	25.92	+23	0
3	43.16	58.68	+ 5	+11	4.25	6.67	−44	− 1	{65.52 65.21	16.36 16.68	−20 − 3	−10 −10}	45.44	26.20	+22	+ 5
4	44.11	58.88	−15	+10	4.61	6.98	−40	− 6	64.89	17.01	+14	− 7	44.49	26.47	+15	+ 8
5	45.04	59.09	−31	+ 6	4.95	7.28	−28	− 9	64.54	17.34	+22	− 3	43.52	26.74	+ 4	+10
6	45.95	59.30	−41	+ 2	5.27	7.59	−11	−10	64.17	17.66	+25	+ 2	42.54	27.01	− 9	+10
7	46.85	59.51	−42	− 3	5.57	7.90	+ 6	− 9	63.78	17.99	+21	+ 6	41.54	27.27	−20	+ 8
8	47.73	59.73	−34	− 8	5.85	8.22	+19	− 6	63.37	18.31	+12	+ 9	40.52	27.54	−27	+ 5
9	48.59	59.95	−19	−10	6.10	8.53	+26	− 1	62.94	18.64	+ 1	+10	39.49	27.80	−31	+ 2
10	49.44	60.18	− 2	−10	6.34	8.85	+26	+ 3	62.48	18.96	−11	+ 9	38.44	28.06	−29	− 3
11	50.27	60.41	+13	− 8	6.55	9.17	+20	+ 7	62.00	19.28	−21	+ 7	37.37	28.31	−21	− 6
12	51.09	60.64	+24	− 4	6.74	9.49	+10	+ 9	61.51	19.61	−28	+ 4	36.29	28.56	− 9	− 9
13	51.89	60.88	+28	+ 1	6.90	9.81	− 2	+10	60.99	19.93	−29	0	35.19	28.80	+ 6	−10
14	52.67	61.12	+26	+ 5	7.04	10.13	−14	+ 9	60.44	20.24	−25	− 4	34.08	29.04	+22	− 9
15	53.44	61.37	+18	+ 8	7.16	10.46	−23	+ 6	59.88	20.56	−16	− 8	32.95	29.28	+36	− 7
16	54.18	61.62	+ 6	+10	7.26	10.78	−27	+ 2	59.30	20.87	− 2	−10	31.81	29.52	+45	− 3
17	54.91	61.87	− 6	+10	7.34	11.11	−27	− 2	58.70	21.19	+14	−10	30.65	29.75	+47	+ 2
18	55.62	62.13	−17	+ 8	7.39	11.43	−21	− 6	58.07	21.50	+30	− 9	29.48	29.98	+39	+ 6
19	56.31	62.39	−25	+ 5	7.42	11.76	−10	− 9	57.43	21.80	+42	− 5	28.29	30.21	+25	+ 9
20	56.98	62.66	−28	+ 1	7.43	12.08	+ 5	−10	56.77	22.11	+48	− 1	27.09	30.43	+ 6	+10
21	57.63	62.93	−25	− 3	7.42	12.41	+21	−10	56.09	22.42	+45	+ 4	25.87	30.65	−14	+ 8
22	58.26	63.20	−18	− 7	7.38	12.74	+35	− 8	55.38	22.72	+34	+ 8	24.64	30.86	−30	+ 5
23	58.87	63.48	− 5	− 9	7.33	13.07	+45	− 4	54.66	23.02	+16	+10	23.40	31.07	−37	0
24	59.46	63.75	+10	−10	7.25	13.39	+46	+ 1	53.91	23.32	− 5	+10	22.14	31.28	−36	− 5
25	60.03	64.03	+26	− 9	7.14	13.72	+39	+ 6	53.15	23.62	−24	+ 7	20.87	31.48	−28	− 9
26	60.58	64.32	+38	− 6	7.02	14.05	+24	+ 9	52.37	23.92	−37	+ 3	19.59	31.68	−13	−10
27	61.11	64.60	+44	− 2	6.87	14.38	+ 4	+11	51.56	24.21	−42	− 2	18.29	31.88	+ 2	− 9
28	61.62	64.89	+42	+ 3	6.70	14.71	−16	+ 9	50.74	24.50	−37	− 7	16.99	32.07	+16	− 6
29	62.11	65.18	+31	+ 8	6.51	15.04	−33	+ 6	49.91	24.79	−25	−10	15.67	32.26	+23	− 2
30	62.58	65.48	+14	+10	6.30	15.37	−43	+ 1	49.05	25.08	− 9	−10	14.34	32.44	+23	+ 3
31	63.03	65.77	− 6	+10	6.06	15.70	−43	− 4	48.17	25.36	+ 6	− 8	13.00	32.62	+17	+ 7
32	63.46	66.07	−26	+ 8					47.28	25.64	+18	− 4	11.64	32.80	+ 7	+10

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+89° 1′ 50″	59.104	+59.096	+89° 2′ 10″	59.445	+59.437	+89° 2′ 30″	59.790	+59.781
60	59.274	+59.266	20	59.617	+59.608	40	59.964	+59.955

$\alpha_{1934.0} = 18^h\ 41^m\ 45^s.73$ $\delta_{1934.0} = +89°\ 2'\ 19''.46$

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Ni) λ Ursae minoris $6^m.55$

Tag	September AR.	September Dekl.	September ☾ Glieder		Oktober AR.	Oktober Dekl.	Oktober ☾ Glieder		November AR.	November Dekl.	November ☾ Glieder		Dezember AR.	Dezember Dekl.	Dezember ☾ Glieder	
	18^h40^m	+89° 2′	in 0.01 s	in 0.01″	18^h39^m	+89° 2′	in 0.01 s	in 0.01″	18^h39^m	+89° 2′	in 0.01 s	in 0.01″	18^h38^m	+89° 2′	in 0.01 s	in 0.01″
	s	″			s	″			s	″			s	″		
1	71.64	32.80	+ 7	+10	87.41	36.01	−24	+ 8	40.45	34.71	−24	− 6	63.52	29.04	+13	−10
2	70.28	32.97	− 5	+10	85.87	36.04	−30	+ 4	39.03	34.59	−12	− 8	62.55	28.79	+28	− 8
3	68.91	33.14	−17	+ 9	84.32	36.07	−32	0	37.62	34.47	+ 2	−10	61.60	28.53	+39	− 5
4	67.53	33.30	−26	+ 6	82.77	36.10	−29	− 4	36.22	34.34	+18	− 9	60.67	28.27	+44	− 1
5	66.14	33.46	−32	+ 3	81.22	36.12	−20	− 7	34.82	34.20	+31	− 7	59.76	28.01	+41	+ 4
6	64.74	33.61	−31	− 1	79.67	36.13	− 8	− 9	33.44	34.06	+40	− 3	58.87	27.74	+30	+ 8
7	63.33	33.76	−26	− 5	78.12	36.14	+ 7	−10	32.07	33.91	+42	+ 1	58.00	27.47	+13	+10
8	61.91	33.91	−16	− 8	76.57	36.14	+23	− 9	30.71	33.76	+36	+ 6	57.15	27.20	− 6	+10
9	60.48	34.05	− 1	−10	75.02	36.14	+35	− 6	29.37	33.60	+23	+ 9	56.32	26.92	−24	+ 7
10	59.04	34.19	+14	−10	73.47	36.13	+42	− 2	28.04	33.44	+ 5	+10	55.52	26.64	−36	+ 3
11	57.59	34.32	+29	− 8	71.93	36.12	+41	+ 3	26.72	33.27	−14	+ 9	54.73	26.35	−40	− 2
12	56.13	34.45	+40	− 4	70.38	36.10	+33	+ 7	25.41	33.10	−29	+ 6	53.97	26.06	−35	− 7
13	54.67	34.58	+45	0	68.84	36.08	+18	+10	24.12	32.92	−38	+ 1	53.23	25.77	−23	− 9
14	53.20	34.70	+41	+ 5	67.30	36.06	0	+10	22.84	32.74	−37	− 4	52.52	25.48	− 6	−10
15	51.72	34.81	+30	+ 8	65.77	36.03	−19	+ 8	21.57	32.56	−29	− 8	51.83	25.18	+10	− 8
16	50.24	34.92	+13	+10	64.24	35.99	−31	+ 4	20.32	32.37	−14	−10	51.16	24.89	+22	− 5
17	48.75	35.03	− 6	+ 9	62.71	35.95	−37	− 1	19.08	32.18	+ 3	−10	50.52	24.59	+27	0
18	47.26	35.13	−23	+ 6	61.18	35.90	−33	− 6	17.86	31.98	+17	− 7	49.90	24.29	+25	+ 5
19	45.76	35.22	−34	+ 2	59.66	35.85	−22	− 9	16.65	31.78	+26	− 3	49.31	23.99	+16	+ 8
20	44.25	35.31	−36	− 3	58.15	35.79	− 6	−10	15.46	31.57	+28	+ 2	48.74	23.68	+ 3	+10
21	42.74	35.40	−30	− 8	56.64	35.73	+ 9	− 9	14.29	31.36	+23	+ 6	48.19	23.38	−10	+10
22	41.22	35.48	−17	−10	55.13	35.66	+22	− 6	13.13	31.15	+12	+ 9	47.67	23.07	−22	+ 8
23	39.70	35.56	− 1	−10	53.63	35.59	+27	− 1	11.99	30.93	− 2	+10	47.17	22.76	−29	+ 4
24	38.18	35.63	+13	− 8	52.13	35.51	+26	+ 4	10.87	30.71	−15	+ 9	46.70	22.44	−32	+ 1
25	36.65	35.70	+23	− 4	50.65	35.43	+18	+ 8	9.76	30.48	−25	+ 7	46.25	22.13	−28	− 3
26	35.12	35.76	+26	+ 1	49.17	35.34	+ 6	+10	8.68	30.25	−31	+ 3	45.83	21.81	−20	− 7
27	33.58	35.82	+22	+ 6	47.69	35.25	− 8	+10	7.61	30.02	−31	− 1	45.43	21.49	− 7	− 9
28	32.04	35.88	+12	+ 9	46.23	35.15	−20	+ 9	6.56	29.78	−26	− 5	45.06	21.17	+ 8	−10
29	30.50	35.93	0	+10	44.77	35.05	−28	+ 6	5.53	29.54	−16	− 8	44.72	20.85	+23	− 9
30	28.96	35.97	−13	+10	43.33	34.94	−32	+ 2	4.51	29.29	− 2	− 9	44.40	20.53	+36	− 6
31	27.41	36.01	−24	+ 8	41.89	34.83	−30	− 2	3.52	29.04	+13	−10	*)44.11	20.21	+44	− 2
32					40.45	34.71	−24	− 6					43.84	19.89	+45	+ 2

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+89° 2′ 10″	59.445	+59.437	+89° 2′ 20″	59.617	+59.608	+89° 2′ 30″	59.790	+59.781
20	59.617	+59.608	30	59.790	+59.781	40	59.964	+59.955

$\alpha_{1934.0} = 18^h\ 41^m\ 45^s.73$ $\delta_{1934.0} = +89°\ 2'\ 19''.46$

*) Tag der doppelten unteren Kulmination: Dez. 31.

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Nk) 76 Draconis $5^m.69$

Tag	Januar			Februar			März			April		
	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder
	$20^h 47^m$	+ 82° 17′	in 0.01s | 0.01″	$20^h 47^m$	+ 82° 17′	in 0.01s | 0.01″	$20^h 47^m$	+ 82° 17′	in 0.01s | 0.01″	$20^h 47^m$	+ 82° 17′	in 0.01s | 0.01″
	s	″		s	″		s	″		s	″	
1	17.27	27.08	+1 + 9	15.49	17.81	−3 − 2	16.43	9.02	−3 − 4	19.92	2.21	0 −10
2	17.17	26.82	0 + 7	*)15.48	17.48	−3 − 6	16.51	8.74	−3 − 8	20.07	2.07	+2 − 8
3	17.07	26.56	−2 + 4	15.47	17.16	−3 −10	16.59	8.46	−2 −11	20.22	1.94	+4 − 3
4	16.98	26.29	−3 + 1	15.47	16.83	−1 −12	16.67	8.18	0 −11	20.36	1.81	+4 + 2
5	16.89	26.02	−3 − 4	15.47	16.51	0 −11	16.75	7.91	+1 −10	20.51	1.69	+4 + 6
6	16.80	25.75	−3 − 8	15.48	16.18	+2 − 9	16.84	7.64	+3 − 6	20.66	1.58	+3 +10
7	16.71	25.47	−2 −11	15.49	15.86	+4 − 5	16.93	7.38	+4 − 2	20.81	1.47	+1 +10
8	16.63	25.20	−1 −12	15.50	15.53	+5 0	17.02	7.12	+4 + 3	20.96	1.37	−1 + 9
9	16.55	24.92	+1 −11	15.51	15.21	+4 + 5	17.12	6.86	+4 + 7	21.11	1.27	−3 + 5
10	16.47	24.64	+3 − 8	15.53	14.88	+3 + 9	17.22	6.61	+2 +10	21.26	1.18	−4 0
11	16.39	24.35	+4 − 3	15.55	14.56	+1 +10	17.32	6.36	0 +10	21.42	1.10	−4 − 4
12	16.32	24.06	+4 + 2	15.57	14.23	−1 + 9	17.42	6.11	−2 + 7	21.57	1.02	−4 − 8
13	16.25	23.77	+4 + 7	15.60	13.91	−3 + 6	17.53	5.87	−4 + 3	21.73	0.95	−2 − 9
14	16.18	23.48	+2 +10	15.63	13.59	−4 + 1	17.63	5.63	−5 − 2	21.89	0.89	0 − 8
15	16.12	23.18	0 +11	15.66	13.27	−5 − 3	17.74	5.40	−4 − 6	22.04	0.83	+1 − 5
16	16.06	22.88	−2 + 9	15.70	12.96	−4 − 6	17.85	5.18	−3 − 8	22.20	0.78	+3 − 1
17	16.00	22.58	−4 + 5	15.74	12.64	−3 − 8	17.96	4.96	−2 − 9	22.36	0.73	+3 + 3
18	15.94	22.27	−5 0	15.78	12.33	−1 − 8	18.08	4.74	0 − 7	22.52	0.69	+3 + 6
19	15.89	21.96	−5 − 4	15.82	12.02	+1 − 5	18.20	4.52	+2 − 4	22.68	0.65	+3 + 9
20	15.84	21.65	−4 − 7	15.87	11.71	+2 − 2	18.32	4.31	+3 0	22.84	0.62	+2 + 9
21	15.79	21.34	−2 − 8	15.92	11.40	+3 + 2	18.44	4.11	+3 + 4	23.00	0.60	0 + 9
22	15.75	21.02	0 − 7	15.97	11.09	+3 + 6	18.57	3.91	+3 + 7	23.16	0.58	−1 + 6
23	15.71	20.70	+1 − 4	16.03	10.79	+3 + 8	18.70	3.71	+2 + 9	23.32	0.57	−2 + 3
24	15.67	20.39	+3 0	16.09	10.49	+2 + 9	18.83	3.52	+1 + 9	23.48	0.57	−3 − 1
25	15.64	20.07	+3 + 3	16.15	10.19	+1 + 9	18.96	3.34	0 + 8	23.65	0.57	−3 − 5
26	15.61	19.75	+3 + 7	16.22	9.89	−1 + 7	19.09	3.16	−1 + 5	23.81	0.58	−3 − 9
27	15.58	19.43	+3 + 9	16.29	9.60	−2 + 4	19.22	2.99	−3 + 2	23.97	0.60	−2 −11
28	15.55	19.11	+2 + 9	16.36	9.31	−3 0	19.36	2.82	−3 − 3	24.14	0.62	0 −11
29	15.53	18.78	0 + 8	16.43	9.02	−3 − 4	19.50	2.66	−3 − 7	24.30	0.65	+2 − 9
30	15.51	18.46	−1 + 6				19.64	2.50	−3 −10	24.46	0.68	+3 − 5
31	15.50	18.14	−2 + 3				19.78	2.35	−1 −11	24.62	0.72	+4 0
32	15.49	17.81	−3 − 2				19.92	2.21	0 −10			

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+82° 17′ 0″	7.447	+7.380	+82° 17′ 10″	7.450	+7.383	+82° 17′ 20″	7.453	+7.385
10	7.450	+7.383	20	7.453	+7.385	30	7.455	+7.388

$\alpha_{1934.0} = 20^h\ 47^m\ 28^s.98$ $\qquad \delta_{1934.0} = +82°\ 17'\ 18''.53$

*) Tag der doppelten unteren Kulmination: Febr. 2.

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Nk) 76 Draconis $5^m\!.69$

Tag	Mai			Juni			Juli			August		
	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder
	20^h47^m	+82° 17′	in 0ˢ01 / 0″01	20^h47^m	+82° 17′	in 0ˢ01 / 0″01	20^h47^m	+82° 17′	in 0ˢ01 / 0″01	20^h47^m	+82° 17′	in 0ˢ01 / 0″01
	s	″		s	″		s	″		s	″	
1	24.62	0.72	+4 0	29.27	4.87	0 +10	32.33	13.24	−4 +2	33.20	24.25	−2 −8
2	24.78	0.76	+4 +5	29.40	5.09	−2 +9	32.40	13.57	−5 −3	33.19	24.62	0 −6
3	24.94	0.81	+3 +9	29.53	5.31	−4 +5	32.46	13.90	−4 −6	33.17	24.99	+2 −3
4	25.10	0.87	+2 +11	29.66	5.54	−5 0	32.52	14.24	−3 −8	{33.15 / 33.13}	25.36 / 25.72	+3 +11 / +3 +5
5	25.26	0.94	−1 +10	29.78	5.78	−5 −4	32.58	14.58	−1 −8	33.10	26.09	+3 +8
6	25.42	1.01	−3 +7	29.91	6.02	−4 −8	32.64	14.92	+1 −5	33.07	26.46	+2 +10
7	25.58	1.09	−4 +2	30.03	6.26	−2 −9	32.69	15.26	+2 −2	33.04	26.83	+1 +10
8	25.74	1.17	−5 −2	30.15	6.50	0 −7	32.74	15.60	+3 +2	33.01	27.19	−1 +8
9	25.90	1.26	−4 −6	30.27	6.75	+2 −4	32.79	15.94	+3 +6	32.97	27.56	−2 +5
10	26.05	1.35	−3 −9	30.39	7.01	+3 0	32.84	16.29	+3 +9	32.93	27.92	−3 +1
11	26.21	1.45	−1 −9	30.50	7.27	+4 +4	32.88	16.64	+2 +10	32.89	28.29	−3 −3
12	26.37	1.56	+1 −7	30.61	7.54	+3 +7	32.92	16.99	0 +9	32.85	28.65	−3 −7
13	26.53	1.67	+2 −3	30.72	7.81	+2 +9	32.96	17.35	−1 +7	32.81	29.01	−2 −10
14	26.68	1.79	+3 +1	30.83	8.08	+1 +9	33.00	17.70	−2 +3	32.76	29.37	−1 −11
15	26.83	1.92	+4 +5	30.93	8.36	0 +8	33.03	18.05	−3 −1	32.71	29.73	+1 −11
16	26.99	2.05	+3 +8	31.04	8.64	−1 +6	33.06	18.41	−3 −5	32.66	30.09	+3 −8
17	27.14	2.18	+2 +9	31.14	8.92	−3 +2	33.09	18.77	−3 −8	32.60	30.45	+4 −4
18	27.29	2.32	+1 +9	31.24	9.21	−3 −2	33.12	19.13	−2 −11	32.54	30.80	+5 0
19	27.44	2.47	−1 +7	31.34	9.50	−3 −6	33.14	19.49	0 −12	32.48	31.16	+4 +5
20	27.59	2.62	−2 +4	31.44	9.79	−2 −10	33.16	19.85	+1 −10	32.42	31.52	+3 +8
21	27.73	2.78	−3 0	31.53	10.09	−1 −12	33.18	20.21	+3 −7	32.36	31.87	+1 +9
22	27.88	2.95	−3 −4	31.62	10.39	0 −11	33.19	20.58	+4 −3	32.29	32.22	−1 +8
23	28.03	3.12	−3 −7	31.71	10.70	+2 −9	33.20	20.94	+5 +3	32.22	32.57	−3 +5
24	28.17	3.29	−2 −10	31.80	11.01	+4 −5	33.21	21.31	+4 +7	32.15	32.92	−4 0
25	28.31	3.47	−1 −11	31.88	11.32	+4 0	33.22	21.67	+2 +9	32.07	33.27	−5 −4
26	28.45	3.66	+1 −10	31.96	11.63	+4 +5	33.23	22.04	0 +9	31.99	33.61	−4 −7
27	28.59	3.85	+3 −7	32.04	11.95	+3 +9	33.23	22.41	−2 +7	31.91	33.95	−2 −9
28	28.73	4.04	+4 −2	32.12	12.27	+1 +10	33.23	22.78	−4 +3	31.83	34.29	0 −8
29	28.86	4.24	+4 +3	32.19	12.59	−1 +9	33.23	23.14	−5 −1	31.74	34.63	+1 −4
30	29.00	4.45	+4 +7	32.26	12.91	−3 +6	33.22	23.51	−4 −5	31.65	34.97	+2 0
31	29.14	4.66	+2 +10	32.33	13.24	−4 +2	33.21	23.88	−3 −8	31.56	35.30	+3 +4
32	29.27	4.87	0 +10				33.20	24.25	−2 −8	31.47	35.63	+3 +8

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+82° 17′ 0″	7.447	+7.380	+82° 17′ 10″	7.450	+7.383	+82° 17′ 30″	7.455	+7.388
10	7.450	+7.383	20	7.453	+7.385	40	7.458	+7.391

$\alpha_{1934.0} = 20^h\ 47^m\ 28^s\!.98$ $\delta_{1934.0} = +82°\ 17'\ 18''\!.53$

Nk) 76 Draconis $5^m.69$

Tag	September AR.	Dekl.	☾ Glieder		Oktober AR.	Dekl.	☾ Glieder		November AR.	Dekl.	☾ Glieder		Dezember AR.	Dekl.	☾ Glieder	
		+	in			+	in			+	in			+	in	
	$20^h 47^m$	82° 17′	0.01 s	0.01″	$20^h 47^m$	82° 17′	0.01 s	0.01″	$20^h 47^m$	82° 17′	0.01 s	0.01″	$20^h 47^m$	82° 17′	0.01 s	0.01″
	s	″			s	″			s	″			s	″		
1	31.47	35.63	+3	+ 8	27.79	44.19	0	+10	22.70	49.08	−3	− 2	17.58	48.79	−2	−10
2	31.38	35.96	+2	+10	27.64	44.42	−1	+ 8	22.52	49.15	−3	− 5	17.43	48.69	0	−11
3	31.28	36.29	+1	+10	27.49	44.64	−2	+ 4	22.35	49.22	−2	− 9	17.27	48.59	+1	− 9
4	31.18	36.61	0	+ 9	27.34	44.86	−3	+ 1	22.18	49.28	−1	−10	17.11	48.48	+3	− 6
5	31.08	36.93	−1	+ 6	27.18	45.08	−3	− 3	22.00	49.34	0	−10	16.96	48.36	+4	− 2
6	30.98	37.25	−3	+ 3	27.03	45.29	−3	− 7	21.83	49.39	+2	− 8	16.80	48.24	+4	+ 3
7	30.88	37.57	−3	− 1	26.88	45.50	−2	−10	21.65	49.43	+3	− 4	16.65	48.11	+4	+ 7
8	30.77	37.88	−3	− 5	26.72	45.70	−1	−11	21.47	49.47	+4	0	16.49	47.97	+2	+ 9
9	30.66	38.19	−3	− 8	26.56	45.90	+1	−10	21.30	49.50	+4	+ 5	16.34	47.83	0	+ 9
10	30.55	38.50	−2	−10	26.40	46.09	+3	− 7	21.12	49.53	+3	+ 8	16.19	47.69	−2	+ 7
11	30.44	38.81	0	−11	26.24	46.28	+4	− 3	20.95	49.55	+1	+10	16.04	47.54	−4	+ 3
12	30.32	39.11	+2	− 9	26.08	46.46	+4	+ 2	20.78	49.57	−1	+ 9	15.89	47.38	−4	− 1
13	30.20	39.41	+3	− 6	25.92	46.64	+4	+ 6	20.60	49.58	−3	+ 6	15.75	47.22	−4	− 5
14	30.08	39.71	+4	− 1	25.76	46.82	+3	+ 9	20.43	49.59	−4	+ 1	15.61	47.06	−3	− 8
15	29.96	40.00	+4	+ 4	25.59	46.99	+1	+ 9	20.26	49.59	−4	− 4	15.47	46.89	−1	− 8
16	29.84	40.29	+4	+ 7	25.42	47.15	−1	+ 7	20.08	49.58	−4	− 7	15.34	46.71	0	− 7
17	29.72	40.57	+2	+ 9	25.26	47.31	−3	+ 3	19.91	49.57	−2	− 9	15.21	46.53	+2	− 3
18	29.59	40.85	0	+ 8	25.09	47.46	−4	− 1	19.73	49.55	−1	− 8	15.07	46.34	+3	+ 1
19	29.46	41.13	−2	+ 6	24.92	47.61	−4	− 6	19.56	49.53	+1	− 6	14.94	46.15	+3	+ 5
20	29.33	41.40	−4	+ 2	24.75	47.75	−3	− 8	19.39	49.50	+3	− 2	14.81	45.95	+3	+ 8
21	29.20	41.67	−4	− 3	24.58	47.89	−2	− 9	19.22	49.46	+3	+ 2	14.68	45.75	+2	+10
22	29.07	41.94	−4	− 7	24.41	48.02	0	− 8	19.06	49.42	+3	+ 7	14.55	45.54	+1	+10
23	28.93	42.21	−3	− 9	24.24	48.15	+2	− 4	18.89	49.37	+3	+ 9	14.43	45.33	−1	+ 8
24	28.80	42.47	−1	− 8	24.07	48.28	+3	0	18.72	49.32	+2	+10	14.31	45.12	−2	+ 4
25	28.66	42.73	+1	− 6	23.90	48.40	+4	+ 4	18.56	49.26	0	+ 9	14.19	44.90	−3	+ 1
26	28.52	42.98	+2	− 2	23.73	48.51	+3	+ 8	18.39	49.20	−1	+ 7	14.08	44.68	−3	− 3
27	28.38	43.23	+3	+ 2	23.56	48.62	+2	+10	18.23	49.13	−2	+ 3	13.97	44.45	−3	− 7
28	28.23	43.48	+3	+ 6	23.39	48.72	+1	+10	18.06	49.05	−3	− 1	13.86	44.21	−2	−10
29	28.08	43.72	+3	+ 9	23.22	48.82	0	+ 9	17.90	48.97	−3	− 5	13.75	43.97	−1	−11
30	27.94	43.96	+2	+10	23.04	48.91	−2	+ 6	17.74	48.88	−3	− 8	13.64	43.73	+1	−10
31	27.79	44.19	0	+10	22.87	49.00	−3	+ 2	17.58	48.79	−2	−10	13.53	43.48	+3	− 8
32					22.70	49.08	−3	− 2					13.43	43.23	+4	− 4

δ	sec δ	tg δ	δ	sec δ	tg δ
+82° 17′ 30″	7.455	+7.388	+82° 17′ 40″	7.458	+7.391
40	7.458	+7.391	50	7.461	+7.394

$\alpha_{1934.0} = 20^h\ 47^m\ 28^s.98$ $\delta_{1934.0} = +\ 82°\ 17'\ 18''.53$

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Sa) Octantis 4 G. $5^m.63$

Tag	Januar AR.	Januar Dekl.	Januar ☾ Glieder	Februar AR.	Februar Dekl.	Februar ☾ Glieder	März AR.	März Dekl.	März ☾ Glieder	April AR.	April Dekl.	April ☾ Glieder
	$1^h\ 41^m$	— $85°\ 6'$	in $0^s.01$ | $0''.01$	$1^h\ 40^m$	— $85°\ 6'$	in $0^s.01$ | $0''.01$	$1^h\ 40^m$	— $85°\ 6'$	in $0^s.01$ | $0''.01$	$1^h\ 40^m$	— $85°\ 5'$	in $0^s.01$ | $0''.01$
1	8.71	25.71	−6 + 2	60.43	23.35	+5 + 7	54.05	16.72	+6 + 6	49.63	66.13	+5 − 8
2	8.44	25.72	−3 + 5	60.17	23.18	+7 + 5	53.86	16.42	+7 + 3	49.55	65.75	+1 −11
3	8.17	25.73	0 + 7	59.92	23.01	+8 + 1	53.67	16.12	+8 − 1	49.47	65.38	−2 −11
4	7.91	25.73	+3 + 7	59.67	22.83	+8 − 4	53.48	15.82	+6 − 6	49.39	65.00	−6 −10
5	7.64	25.73	+6 + 6	59.42	22.64	+5 − 8	53.30	15.51	+4 −10	49.32	64.62	−8 − 6
6	7.37	25.72	+7 + 3	59.17	22.45	+2 −11	53.12	15.20	0 −11	49.25	64.24	−8 − 1
7	7.10	25.71	+8 − 1	58.93	22.25	−1 −12	52.94	14.88	−4 −11	49.18	63.87	−6 + 4
8	6.83	25.69	+7 − 6	58.68	22.05	−5 −11	52.77	14.56	−6 − 9	49.12	63.49	−3 + 9
9	6.56	25.66	+4 −10	58.44	21.84	−7 − 7	52.60	14.24	−8 − 4	49.06	63.11	+1 +11
10	6.29	25.63	+1 −12	58.20	21.63	−8 − 2	52.43	13.91	−7 + 1	49.00	62.73	+4 +11
11	6.02	25.59	−3 −11	57.96	21.41	−6 + 3	52.27	13.58	−5 + 6	48.95	62.35	+7 + 8
12	5.75	25.54	−6 − 9	57.72	21.19	−3 + 8	52.11	13.25	−1 +10	48.90	61.97	+8 + 4
13	5.48	25.49	−8 − 5	57.49	20.96	0 +11	51.95	12.92	+2 +11	48.86	61.59	+7 0
14	5.21	25.43	−7 0	57.26	20.73	+4 +11	51.80	12.58	+6 +10	48.82	61.20	+4 − 4
15	4.94	25.36	−5 + 6	57.03	20.49	+6 + 9	51.65	12.24	+7 + 7	48.78	60.82	+1 − 7
16	4.67	25.29	−2 +10	56.80	20.25	+7 + 6	51.50	11.90	+7 + 3	48.75	60.44	−2 − 8
17	4.40	25.21	+2 +12	56.57	20.00	+7 + 2	51.36	11.55	+6 − 2	*)48.72	60.05	−5 − 7
18	4.13	25.13	+5 +11	56.34	19.75	+5 − 2	51.22	11.21	+3 − 5	48.70	59.67	−7 − 5
19	3.86	25.04	+7 + 9	56.12	19.50	+2 − 6	51.08	10.86	0 − 7	48.68	59.29	−7 − 2
20	3.59	24.95	+7 + 5	55.90	19.24	−2 − 7	50.95	10.51	−4 − 7	48.67	58.91	−7 + 1
21	3.32	24.85	+6 0	55.68	18.97	−5 − 7	50.82	10.15	−6 − 6	48.66	58.53	−5 + 4
22	3.05	24.74	+3 − 4	55.47	18.70	−6 − 5	50.69	9.79	−7 − 4	48.65	58.14	−2 + 6
23	2.79	24.63	0 − 6	55.26	18.43	−7 − 2	50.57	9.43	−7 0	48.65	57.76	+1 + 7
24	2.52	24.51	−3 − 7	55.05	18.15	−7 + 1	50.45	9.07	−6 + 3	48.65	57.38	+4 + 7
25	2.25	24.39	−6 − 6	54.84	17.87	−5 + 4	50.34	8.71	−4 + 5	48.65	57.00	+6 + 5
26	1.99	24.26	−7 − 4	54.64	17.59	−3 + 6	50.23	8.35	−1 + 7	48.66	56.63	+7 + 2
27	1.73	24.12	−7 − 1	54.44	17.30	0 + 8	50.12	7.98	+2 + 8	48.67	56.25	+7 − 2
28	1.47	23.98	−6 + 2	54.24	17.01	+3 + 7	50.01	7.62	+5 + 7	48.69	55.87	+6 − 7
29	1.21	23.83	−4 + 5	54.05	16.72	+6 + 6	49.91	7.25	+7 + 4	48.71	55.50	+3 −10
30	0.95	23.68	−2 + 7				49.81	6.88	+8 0	48.74	55.12	−1 −11
31	0.69	23.52	+1 + 8				49.72	6.51	+7 − 4	48.77	54.75	−4 −10
32	0.43	23.35	+5 + 7				49.63	6.13	+5 − 8			

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−85° 5′ 50″	11.701	−11.658	−85° 6′ 0″	11.707	−11.665	−85° 6′ 20″	11.721	−11.678
60	11.707	−11.665	10	11.714	−11.671	30	11.727	−11.684

$\alpha_{1934.0} = 1^h\ 41^m\ 0^s.56$ $\delta_{1934.0} = -85°\ 6'\ 12''.81$

*) Tag der doppelten unteren Kulmination: April 17.

Obere Kulmination Greenwich

Sa) Octantis 4 G. $5^{m}.63$

Tag	Mai				Juni				Juli				August			
	AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder	
	$1^{h}\ 40^{m}$	−85° 5′	in $0^{s}.01$	in $0''.01$	$1^{h}\ 40^{m}$	−85° 5′	in $0^{s}.01$	in $0''.01$	$1^{h}\ 40^{m}$	−85° 5′	in $0^{s}.01$	in $0''.01$	$1^{h}\ 41^{m}$	−85° 5′	in $0^{s}.01$	in $0''.01$
1	48.77	54.75	−4	−10	51.54	44.18	−6	+6	57.14	37.16	+4	+12	4.46	34.84	+5	−1
2	48.80	54.37	−7	−7	51.68	43.89	−2	+10	57.36	37.00	+6	+10	4.70	34.86	+3	−4
3	48.83	54.00	−8	−2	51.83	43.60	+1	+12	57.59	36.85	+7	+6	4.94	34.88	−1	−6
4	48.87	53.64	−7	+3	51.98	43.31	+5	+11	57.81	36.70	+7	+2	5.18	34.91	−4	−7
5	48.92	53.27	−4	+8	52.14	43.02	+7	+8	58.04	36.56	+4	−2	5.42	34.95	−6	−5
6	48.97	52.90	−1	+11	52.30	42.74	+7	+4	58.26	36.42	+1	−6	5.65	34.99	−7	−2
7	49.02	52.54	+3	+12	52.46	42.46	+6	0	58.49	36.29	−2	−7	5.88	35.04	−7	+1
8	49.07	52.18	+6	+10	52.63	42.19	+3	−4	58.72	36.16	−5	−7	6.12	35.09	−6	+4
9	49.13	51.81	+7	+6	52.80	41.92	0	−7	58.95	36.04	−7	−5	6.35	35.15	−3	+6
10	49.20	51.45	+7	+2	52.97	41.65	−3	−7	59.18	35.92	−7	−2	6.59	35.22	0	+8
11	49.27	51.10	+5	−3	53.14	41.39	−6	−6	59.41	35.81	−7	+2	6.82	35.29	+3	+8
12	49.34	50.74	+2	−6	53.32	41.13	−7	−4	59.65	35.71	−5	+4	7.05	35.37	+5	+7
13	49.42	50.39	−1	−8	53.50	40.88	−7	−1	59.88	35.61	−2	+7	7.28	35.45	+7	+4
14	49.50	50.04	−4	−7	53.68	40.64	−6	+2	60.12	35.52	+1	+8	7.50	35.54	+8	0
15	49.58	49.69	−6	−6	53.87	40.40	−4	+5	60.36	35.43	+4	+7	7.73	35.63	+7	−5
16	49.67	49.34	−7	−3	54.05	40.16	−1	+7	60.59	35.35	+6	+5	7.95	35.73	+4	−9
17	49.76	49.00	−7	0	54.24	39.92	+2	+7	60.83	35.27	+8	+2	8.17	35.84	+1	−12
18	49.85	48.66	−5	+3	54.43	39.69	+5	+6	61.07	35.20	+8	−2	8.39	35.95	−2	−12
19	49.95	48.32	−3	+6	54.63	39.47	+7	+4	61.31	35.14	+6	−7	8.61	36.07	−5	−11
20	50.05	47.98	0	+7	54.83	39.25	+8	0	61.56	35.08	+4	−10	8.83	36.19	−7	−7
21	50.16	47.65	+3	+7	55.03	39.03	+7	−4	61.80	35.03	0	−12	9.05	36.32	−7	−2
22	50.27	47.32	+6	+6	55.23	38.82	+5	−8	62.04	34.98	−3	−12	9.26	36.46	−6	+3
23	50.38	46.99	+7	+3	55.44	38.62	+2	−11	62.28	34.94	−6	−9	9.47	36.60	−3	+8
24	50.49	46.66	+8	−1	55.64	38.42	−1	−12	62.52	34.91	−7	−5	9.68	36.74	+1	+10
25	50.61	46.34	+7	−5	55.85	38.22	−5	−11	62.77	34.88	−7	+1	9.89	36.89	+4	+10
26	50.73	46.02	+4	−9	56.06	38.03	−7	−7	63.01	34.85	−5	+6	10.09	37.05	+7	+8
27	50.86	45.70	+1	−11	56.27	37.85	−8	−2	63.25	34.83	−1	+10	10.29	37.21	+8	+5
28	50.99	45.39	−3	−11	56.48	37.67	−6	+4	63.50	34.82	+2	+11	10.49	37.37	+7	0
29	51.12	45.08	−6	−9	56.70	37.49	−4	+9	63.74	34.82	+6	+11	10.68	37.54	+4	−3
30	51.26	44.78	−8	−5	56.92	37.32	0	+11	63.98	34.82	+7	+8	10.87	37.72	0	−6
31	51.40	44.48	−7	+1	57.14	37.16	+4	+12	64.22	34.83	+7	+3	11.06	37.90	−3	−7
32	51.54	44.18	−6	+6					64.46	34.84	+5	−1	11.25	38.08	−6	−6

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−85° 5′ 30″	11.688	−11.645	−85° 5′ 40″	11.694	−11.651	−85° 5′ 50″	11.701	−11.658
40	11.694	−11.651	50	11.701	−11.658	60	11.707	−11.665

$\alpha_{1934.0} = 1^{h}\ 41^{m}\ 0^{s}.56$ $\delta_{1934.0} = -85°\ 6'\ 12''.81$

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Sa) Octantis 4 G. $5^m.63$

Tag	September			Oktober			November			Dezember		
	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder
		—	in		—	in		—	in		—	in
	$1^h 41^m$	$85° 5'$	$0^s.01$ | $0''.01$	$1^h 41^m$	$85° 5'$	$0^s.01$ | $0''.01$	$1^h 41^m$	$85° 5'$	$0^s.01$ | $0''.01$	$1^h 41^m$	$85° 6'$	$0^s.01$ | $0''.01$
	s	″		s	″		s	″		s	″	
1	11.25	38.08	−6 − 6	15.25	45.60	−7 + 2	15.15	55.61	+5 + 7	10.81	3.49	+7 − 2
2	11.43	38.27	−7 − 3	15.32	45.90	−5 + 5	15.07	55.92	+7 + 4	10.61	3.69	+6 − 6
3	11.61	38.47	−7 0	15.39	46.20	−3 + 7	14.99	56.22	+7 + 1	10.40	3.89	+3 −10
4	11.79	38.67	−6 + 3	15.45	46.50	0 + 8	14.90	56.52	+7 − 3	10.19	4.08	0 −12
5	11.97	38.87	−4 + 6	15.51	46.80	+3 + 8	14.80	56.82	+5 − 7	9.98	4.26	−3 −11
6	12.14	39.08	−2 + 8	15.56	47.11	+5 + 6	14.70	57.12	+2 −10	9.76	4.44	−6 − 9
7	12.31	39.30	+1 + 8	15.61	47.42	+7 + 3	14.59	57.41	−1 −11	9.54	4.62	−7 − 4
8	12.48	39.52	+4 + 7	15.65	47.73	+7 − 1	14.48	57.70	−5 −10	9.32	4.79	−7 + 1
9	12.64	39.74	+6 + 5	15.69	48.04	+6 − 5	14.36	57.99	−7 − 7	9.10	4.95	−5 + 6
10	12.80	39.97	+7 + 2	15.72	48.36	+4 − 9	14.24	58.28	−7 − 2	8.87	5.11	−1 + 9
11	12.96	40.20	+7 − 2	15.75	48.67	+1 −11	14.12	58.57	−6 + 3	8.64	5.26	+2 +11
12	13.11	40.44	+5 − 7	15.78	48.99	−3 −11	13.99	58.85	−3 + 7	8.41	5.41	+5 +10
13	13.26	40.68	+3 −10	15.80	49.31	−6 −10	13.86	59.13	0 +10	8.17	5.55	+7 + 7
14	13.41	40.92	−1 −12	15.81	49.62	−7 − 6	13.73	59.41	+4 +10	7.93	5.69	+7 + 3
15	13.55	41.17	−4 −11	15.82	49.94	−7 − 1	13.59	59.68	+6 + 8	7.69	5.82	+6 − 1
16	13.69	41.42	−6 − 9	15.83	50.26	−5 + 4	13.45	59.95	+8 + 5	7.45	5.94	+2 − 5
17	13.82	41.68	−7 − 4	{15.83 {15.82	50.57 50.89	−2 + 8} +2 +10}	13.30	60.22	+7 0	7.21	6.06	−1 − 7
18	13.95	41.94	−6 + 1	15.81	51.21	+5 +10	13.15	60.48	+5 − 4	6.96	6.17	−4 − 7
19	14.08	42.20	−4 + 6	15.80	51.53	+7 + 7	12.99	60.74	+1 − 7	6.71	6.28	−6 − 5
20	14.20	42.47	0 + 9	15.78	51.84	+8 + 3	12.83	60.99	−2 − 8	6.46	6.38	−7 − 2
21	14.32	42.74	+3 +10	15.75	52.16	+6 − 2	12.66	61.24	−5 − 7	6.21	6.47	−7 + 1
22	14.43	43.01	+6 + 9	15.72	52.48	+3 − 5	12.49	61.48	−7 − 4	5.96	6.56	−5 + 5
23	14.54	43.29	+8 + 7	15.69	52.80	0 − 7	12.32	61.72	−7 − 1	5.71	6.64	−3 + 7
24	14.64	43.57	+7 + 1	15.65	53.11	−3 − 7	12.14	61.96	−7 + 2	5.45	6.72	0 + 8
25	14.74	43.85	+5 − 3	15.60	53.43	−6 − 6	11.96	62.19	−5 + 5	5.19	6.79	+3 + 8
26	14.84	44.13	+2 − 6	15.55	53.74	−7 − 3	11.78	62.42	−2 + 7	4.93	6.86	+5 + 6
27	14.93	44.42	−2 − 7	15.50	54.06	−7 0	11.59	62.64	+1 + 8	4.67	6.92	+7 + 3
28	15.02	44.71	−5 − 7	15.44	54.38	−6 + 4	11.40	62.86	+4 + 7	4.41	6.97	+7 − 1
29	15.10	45.00	−7 − 4	15.38	54.69	−4 + 7	11.21	63.08	+6 + 5	4.14	7.02	+6 − 5
30	15.18	45.30	−7 − 1	15.31	55.00	−1 + 8	11.01	63.29	+7 + 2	3.88	7.06	+4 − 9
31	15.25	45.60	−7 + 2	15.23	55.31	+2 + 8	10.81	63.49	+7 − 2	3.61	7.09	+1 −11
32				15.15	55.61	+5 + 7				3.35	7.11	−2 −12

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−85° 5′ 30″	11.688	−11.645	−85° 5′ 40″	11.694	−11.651	−85° 6′ 0″	11.707	−11.665
40	11.694	−11.651	50	11.701	−11.658	10	11.714	−11.671

$\alpha_{1934.0} = 1^h\ 41^m\ 0^s.56$ $\delta_{1934.0} = -85°\ 6'\ 12''.81$

Sb) ξ Mensae $5^m.85$

Tag	Januar			Februar			März			April		
	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder
	$5^h 6^m$ s	— $82° 33'$ "	in $0^s.01$ | $0''.01$	$5^h 6^m$ s	— $82° 33'$ "	in $0^s.01$ | $0''.01$	$5^h 6^m$ s	— $82° 33'$ "	in $0^s.01$ | $0''.01$	$5^h 6^m$ s	— $82° 33'$ "	in $0^s.01$ | $0''.01$
1	27.80	42.44	−3 −5	23.50	49.80	0 +9	18.26	52.37	0 +9	12.28	50.39	+4 +1
2	27.70	42.74	−3 −1	23.33	49.96	+1 +10	18.06	52.39	+2 +9	12.10	50.25	+4 −4
3	27.60	43.03	−2 +3	23.15	50.12	+3 +9	17.86	52.40	+3 +7	11.92	50.10	+2 −8
4	27.49	43.32	−1 +7	22.98	50.27	+4 +6	17.67	52.40	+4 +3	11.74	49.95	+1 −11
5	27.38	43.61	0 +9	22.80	50.42	+4 +2	17.47	52.40	+4 −1	11.57	49.79	−1 −11
6	27.27	43.89	+2 +9	22.63	50.57	+4 −3	17.28	52.39	+3 −6	11.39	49.63	−3 −8
7	27.15	44.17	+3 +8	22.45	50.71	+3 −8	17.08	52.38	+2 −10	11.22	49.46	−4 −4
8	27.03	44.45	+4 +4	22.27	50.84	+1 −11	16.88	52.36	0 −11	11.04	49.29	−4 +2
9	26.91	44.72	+4 0	22.09	50.97	0 −11	16.68	52.34	−2 −10	10.87	49.11	−3 +7
10	26.79	44.99	+4 −5	21.91	51.09	−2 −9	16.49	52.31	−3 −7	10.70	48.93	−1 +10
11	26.66	45.26	+2 −9	21.73	51.20	−3 −5	16.29	52.28	−4 −2	10.53	48.75	0 +11
12	26.53	45.52	0 −11	21.54	51.31	−4 +1	16.09	52.24	−3 +4	10.36	48.56	+2 +10
13	26.40	45.78	−1 −10	21.35	51.42	−3 +6	15.89	52.19	−2 +8	10.19	48.37	+3 +7
14	26.27	46.03	−3 −7	21.17	51.52	−2 +10	15.70	52.14	−1 +11	10.03	48.17	+3 +2
15	26.14	46.28	−4 −2	20.98	51.61	0 +11	15.50	52.09	+1 +11	9.87	47.97	+2 −3
16	26.00	46.52	−4 +3	20.79	51.70	+1 +10	15.31	52.03	+2 +9	9.71	47.77	+1 −7
17	25.86	46.76	−3 +8	20.60	51.79	+2 +7	15.12	51.96	+3 +5	9.55	47.56	0 −9
18	25.72	46.99	−2 +11	20.41	51.87	+2 +3	14.92	51.89	+2 0	9.40	47.35	−1 −9
19	25.57	47.22	0 +12	20.22	51.94	+2 −2	14.73	51.82	+2 −4	9.24	47.13	−2 −8
20	25.42	47.45	+1 +10	20.02	52.01	+1 −6	14.54	51.74	+1 −8	9.09	46.91	−3 −6
21	25.27	47.67	+2 +6	19.83	52.07	0 −8	14.34	51.65	0 −9	8.94	46.68	−3 −2
22	25.12	47.89	+2 +1	19.63	52.13	−1 −9	14.15	51.56	−2 −9	8.79	46.45	−3 +1
23	24.97	48.10	+2 −3	19.44	52.18	−2 −9	13.96	51.47	−3 −8	8.64	46.22	−2 +5
24	24.81	48.31	+1 −7	19.24	52.22	−3 −7	13.77	51.37	−3 −5	8.50	45.99	−1 +8
25	24.65	48.51	0 −9	19.04	52.26	−3 −4	13.58	51.26	−3 −1	8.36	45.75	+1 +9
26	24.49	48.71	−1 −9	18.85	52.30	−3 0	13.39	51.15	−2 +3	8.22	45.51	+2 +9
27	24.33	48.91	−2 −8	18.65	52.33	−2 +4	13.20	51.04	−1 +6	8.08	45.26	+3 +6
28	24.17	49.10	−3 −6	18.45	52.35	−1 +7	13.01	50.92	0 +9	7.94	45.01	+4 +2
29	24.01	49.28	−3 −2	18.26	52.37	0 +9	12.83	50.79	+1 +9	7.80	44.76	+4 −2
30	23.84	49.46	−2 +2				12.65	50.66	+3 +8	7.67	44.50	+3 −7
31	23.67	49.63	−2 +6				12.46	50.53	+4 +5	7.54	44.24	+1 −10
32	23.50	49.80	0 +9				12.28	50.39	+4 +1			

δ	sec δ	tg δ	δ	sec δ	tg δ
−82° 33′ 40″	7.724	−7.659	−82° 33′ 50″	7.727	−7.662
50	7.727	−7.662	60	7.730	−7.665

$\alpha_{1934.0} = 5^h\ 6^m\ 18^s.88$ $\qquad$ $\delta_{1934.0} = -82°\ 33'\ 41''.73$

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

8b) ξ Mensae $5^m.85$

Tag	Mai AR.	Mai Dekl.	Mai ☾ Glieder	Juni AR.	Juni Dekl.	Juni ☾ Glieder	Juli AR.	Juli Dekl.	Juli ☾ Glieder	August AR.	August Dekl.	August ☾ Glieder
	$5^h 6^m$	$-82° 33'$	in $0^s.01$ | $0''.01$	$5^h 6^m$	$-82° 33'$	in $0^s.01$ | $0''.01$	$5^h 6^m$	$-82° 33'$	in $0^s.01$ | $0''.01$	$5^h 6^m$	$-82° 33'$	in $0^s.01$ | $0''.01$
1	^{s}7.54	$''$44.24	+1 −10	^{s}4.74	$''$34.95	−4 −2	^{s}4.58	$''$25.07	−2 +10	^{s}7.02	$''$16.42	+2 +5
2	7.41	43.98	0 −11	4.69	34.62	−4 +3	4.62	24.75	−1 +11	7.13	16.20	+2 0
3	7.28	43.71	−2 −9	4.65	34.29	−3 +8	4.66	24.44	+1 +10	7.25	15.98	+2 −5
4	7.16	43.44	−3 −5	4.61	33.96	−1 +11	4.70	24.12	+2 +7	7.37	15.76	0 −8
5	7.04	43.17	−4 0	4.57	33.63	0 +11	4.75	23.81	+2 +3	7.49	15.55	−1 −9
6	6.92	42.90	−3 +5	4.53	33.30	+1 +9	4.80	23.50	+2 −2	7.62	15.34	−2 −9
7	6.80	42.62	−2 +9	4.50	32.97	+2 +6	4.85	23.19	+1 −6	7.74	15.14	−3 −7
8	6.69	42.34	−1 +11	*)4.47	32.64	+2 +1	4.91	22.89	0 −9	7.87	14.94	−3 −4
9	6.58	42.06	+1 +11	4.44	32.31	+2 −4	4.97	22.58	−1 −9	8.00	14.75	−3 0
10	6.47	41.78	+2 +8	4.42	31.98	+1 −7	5.03	22.28	−2 −9	8.13	14.56	−2 +3
11	6.37	41.49	+3 +4	4.40	31.65	0 −9	5.09	21.98	−3 −6	8.26	14.38	−1 +7
12	6.26	41.20	+3 −1	4.38	31.32	−1 −9	5.16	21.68	−3 −3	8.40	14.20	0 +9
13	6.16	40.90	+2 −5	4.37	30.98	−2 −8	5.23	21.39	−3 +1	8.53	14.03	+2 +9
14	6.06	40.60	+1 −9	4.36	30.65	−3 −5	5.30	21.10	−2 +5	8.67	13.86	+3 +8
15	5.97	40.30	−1 −10	4.35	30.32	−3 −1	5.38	20.82	−1 +8	8.81	13.70	+4 +5
16	5.88	40.00	−2 −9	4.34	29.98	−2 +2	5.45	20.53	+1 +9	8.95	13.54	+4 0
17	5.79	39.70	−3 −7	4.33	29.65	−1 +6	5.53	20.25	+2 +9	9.09	13.39	+4 −4
18	5.70	39.40	−3 −4	4.33	29.32	0 +8	5.61	19.97	+4 +7	9.24	13.24	+3 −8
19	5.61	39.09	−3 0	4.33	28.99	+2 +9	5.70	19.69	+4 +3	9.39	13.10	+1 −11
20	5.53	38.78	−2 +4	4.34	28.66	+3 +8	5.79	19.42	+4 −2	9.53	12.96	0 −11
21	5.45	38.47	−1 +7	4.35	28.33	+4 +5	5.88	19.15	+4 −6	9.68	12.83	−2 −8
22	5.37	38.16	0 +9	4.36	28.00	+4 +1	5.97	18.88	+2 −10	9.83	12.71	−3 −4
23	5.29	37.84	+2 +9	4.37	27.67	+4 −3	6.07	18.62	0 −11	9.98	12.59	−3 +1
24	5.22	37.52	+3 +7	4.39	27.34	+3 −8	6.17	18.36	−1 −10	10.14	12.48	−3 +6
25	5.15	37.21	+4 +4	4.41	27.01	+1 −10	6.27	18.10	−3 −7	10.29	12.37	−2 +10
26	5.09	36.89	+4 0	4.43	26.68	−1 −11	6.37	17.85	−4 −2	10.44	12.27	0 +11
27	5.02	36.57	+4 −5	4.45	26.36	−2 −9	6.47	17.60	−4 +4	10.60	12.17	+1 +10
28	4.96	36.25	+2 −9	4.48	26.04	−3 −5	6.57	17.36	−3 +8	10.75	12.08	+2 +6
29	4.90	35.93	0 −11	4.51	25.71	−4 +1	6.68	17.12	−1 +11	10.91	12.00	+2 +2
30	4.84	35.61	−1 −10	4.54	25.39	−3 +6	6.79	16.88	0 +11	11.07	11.92	+2 −3
31	4.79	35.28	−3 −7	4.58	25.07	−2 +10	6.90	16.65	+2 +9	11.23	11.85	+1 −7
32	4.74	34.95	−4 −2				7.02	16.42	+2 +5	11.39	11.78	0 −9

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−82° 33′ 10″	7.715	−7.650	−82° 33′ 20″	7.718	−7.653	−82° 33′ 40″	7.724	−7.659
20	7.718	−7.653	30	7.721	−7.656	50	7.727	−7.662

$\alpha_{1934.0} = 5^h\ 6^m 18^s.88$ $\delta_{1934.0} = -82°\ 33'\ 41''.73$

*) Tag der doppelten unteren Kulmination: Juni 8.

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Sb) ξ Mensae $5^m.85$

Tag	September			Oktober			November			Dezember		
	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder
	$5^h\ 6^m$	$-82°\ 33'$	in $0^s.01 \mid 0''.01$	$5^h\ 6^m$	$-82°\ 33'$	in $0^s.01 \mid 0''.01$	$5^h\ 6^m$	$-82°\ 33'$	in $0^s.01 \mid 0''.01$	$5^h\ 6^m$	$-82°\ 33'$	in $0^s.01 \mid 0''.01$
1	$11^s.39$	$11''.78$	0 − 9	$16^s.19$	$12''.67$	−3 − 6	$20^s.17$	$19''.13$	−2 + 7	$21^s.70$	$28''.84$	+2 + 9
2	11.55	11.72	−2 − 9	16.35	12.80	−3 − 3	20.26	19.41	0 + 9	21.70	29.19	+3 + 6
3	11.71	11.67	−3 − 8	16.50	12.93	−3 + 1	20.35	19.70	+1 + 9	21.70	29.53	+4 + 3
4	11.87	11.62	−3 − 5	16.65	13.07	−2 + 5	20.44	19.99	+2 + 8	21.70	29.88	+4 − 2
5	12.03	11.58	−3 − 1	16.80	13.21	−1 + 7	20.53	20.28	+3 + 5	21.69	30.23	+3 − 6
6	12.19	11.54	−3 + 2	16.95	13.36	0 + 9	20.61	20.58	+4 + 1	21.68	30.58	+2 − 9
7	12.35	11.51	−3 + 6	17.09	13.52	+2 + 9	20.69	20.88	+4 − 3	21.66	30.93	0 −11
8	12.51	11.48	−1 + 8	17.24	13.68	+3 + 7	20.77	21.18	+3 − 7	21.64 21.62	31.28 31.63	−2 −10 −3 − 7
9	12.67	11.46	+1 + 9	17.39	13.85	+4 + 4	20.84	21.49	+1 −10	21.60	31.98	−3 − 2
10	12.83	11.45	+2 + 9	17.53	14.02	+4 − 1	20.91	21.80	0 −11	21.57	32.32	−3 + 4
11	12.99	11.45	+3 + 6	17.67	14.20	+3 − 5	20.98	22.12	−2 − 9	21.54	32.67	−2 + 8
12	13.15	11.45	+4 + 2	17.81	14.39	+2 − 9	21.05	22.44	−3 − 5	21.50	33.01	−1 +11
13	13.32	11.46	+4 − 3	17.95	14.58	+1 −11	21.11	22.76	−3 0	21.46	33.36	0 +11
14	13.49	11.47	+3 − 7	18.09	14.77	−1 −10	21.17	23.08	−3 + 6	21.42	33.70	+2 + 8
15	13.65	11.49	+2 −10	18.22	14.97	−2 − 8	21.23	23.40	−2 +10	21.38	34.04	+3 + 4
16	13.81	11.52	0 −11	18.35	15.18	−3 − 3	21.28	23.73	0 +11	21.33	34.38	+3 0
17	13.97	11.55	−1 −10	18.48	15.39	−3 + 2	21.33	24.06	+1 +10	21.28	34.72	+2 − 5
18	14.13	11.59	−3 − 6	18.61	15.60	−2 + 7	21.37	24.39	+2 + 7	21.23	35.06	+1 − 8
19	14.29	11.64	−3 − 1	18.74	15.82	−1 +10	21.41	24.72	+3 + 2	21.17	35.39	−1 −10
20	14.45	11.69	−3 + 4	18.86	16.05	+1 +11	21.45	25.06	+2 − 2	21.11	35.72	−2 − 9
21	14.61	11.75	−2 + 9	18.98	16.28	+2 + 9	21.49	25.39	+1 − 6	21.05	36.05	−3 − 7
22	14.77	11.82	0 +11	19.10	16.52	+3 + 5	21.53	25.73	0 − 9	20.98	36.38	−3 − 3
23	14.93	11.89	+1 +11	19.21	16.76	+3 + 1	21.56	26.07	−1 − 9	20.91	36.71	−3 + 1
24	15.09	11.97	+2 + 8	19.33	17.01	+2 − 4	21.59	26.41	−2 − 8	20.84	37.04	−2 + 4
25	15.25	12.05	+3 + 4	19.44	17.26	+1 − 8	21.62	26.75	−3 − 6	20.76	37.36	−1 + 7
26	15.41	12.14	+2 − 1	19.55	17.51	−1 − 9	21.64	27.10	−3 − 2	20.68	37.68	0 + 9
27	15.57	12.23	+1 − 6	19.66	17.77	−2 − 9	21.66	27.45	−3 + 2	20.60	38.00	+2 + 9
28	15.73	12.33	0 − 8	19.77	18.03	−3 − 7	21.68	27.80	−2 + 5	20.51	38.31	+3 + 7
29	15.89	12.44	−1 − 9	19.88	18.30	−3 − 4	21.69	28.14	−1 + 8	20.42	38.62	+4 + 4
30	16.04	12.55	−2 − 9	19.98	18.57	−3 0	21.70	28.49	+1 + 9	20.33	38.93	+4 0
31	16.19	12.67	−3 − 6	20.08	18.85	−3 + 3	21.70	28.84	+2 + 9	20.23	39.24	+4 − 4
32				20.17	19.13	−2 + 7				20.14	39.54	+3 − 8

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−82° 33′ 10″	7.715	−7.650	−82° 33′ 20″	7.718	−7.653	−82° 33′ 30″	7.721	−7.656
20	7.718	−7.653	30	7.721	−7.656	40	7.724	−7.659

$\alpha_{1934.0} = 5^h\ 6^m\ 18^s.88$ $\delta_{1934.0} = -82°\ 33'\ 41''.73$

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Sc) ζ Octantis $5^m.38$

Tag	Januar			Februar			März			April		
	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder
	$9^h 6^m$	$-85° 23'$	in $0^s.01$ | $0''.01$	$9^h 6^m$	$-85° 24'$	in $0^s.01$ | $0''.01$	$9^h 6^m$	$-85° 24'$	in $0^s.01$ | $0''.01$	$9^h 6^m$	$-85° 24'$	in $0^s.01$ | $0''.01$
1	$45^s.82$	$51''.80$	+3 − 9	$47^s.52$	$3''.29$	−5 − 1	$44^s.97$	$14''.19$	−6 + 6	$38^s.70$	$23''.57$	+3 +10
2	45.95	52.14	+1 − 8	47.50	3.68	−6 + 3	44.82	14.54	−5 + 9	38.45	23.81	+6 + 6
3	46.07	52.48	−2 − 6	47.47	4.07	−6 + 7	44.66	14.89	−2 +11	38.20	24.05	+8 + 2
4	46.19	52.82	−4 − 3	47.44	4.45	−4 +10	44.50	15.23	+1 +11	37.95	24.28	+8 − 3
5	46.30	53.17	−6 + 1	47.40	4.84	−1 +12	44.34	15.57	+4 + 9	37.70	24.51	+6 − 8
6	46.41	53.52	−6 + 5	47.36	5.23	+3 +11	44.17	15.91	+7 + 5	37.44	24.73	+3 −10
7	46.51	53.87	−5 + 9	47.31 47.26	5.62 6.00	+6 + 8 +8 + 3	44.00	16.25	+8 0	37.19	24.95	−1 −10
8	46.61	54.23	−2 +12	47.20	6.39	+9 − 2	43.83	16.58	+8 − 5	36.93	25.17	−4 − 7
9	46.70	54.59	+1 +12	47.14	6.77	+7 − 6	43.65	16.91	+5 − 8	36.67	25.38	−7 − 3
10	46.79	54.95	+4 +10	47.07	7.16	+4 − 9	43.47	17.24	+2 −10	36.41	25.59	−8 + 1
11	46.88	55.31	+7 + 6	47.00	7.55	0 −10	43.29	17.57	−2 − 9	36.14	25.79	−8 + 5
12	46.96	55.68	+8 + 1	46.92	7.93	−4 − 8	43.10	17.89	−6 − 6	35.88	25.99	−5 + 8
13	47.04	56.04	+8 − 4	46.84	8.31	−7 − 4	42.91	18.21	−8 − 1	35.61	26.18	−2 + 8
14	47.11	56.41	+6 − 8	46.76	8.69	−8 0	42.72	18.52	−8 + 3	35.34	26.37	+1 + 7
15	47.17	56.79	+2 −10	46.67	9.06	−8 + 4	42.52	18.83	−7 + 6	35.07	26.55	+4 + 4
16	47.23	57.16	−2 −10	46.58	9.44	−6 + 7	42.32	19.14	−4 + 8	34.79	26.73	+6 0
17	47.29	57.53	−6 − 7	46.48	9.82	−3 + 8	42.11	19.45	−1 + 8	34.52	26.90	+6 − 4
18	47.34	57.91	−8 − 3	46.38	10.19	0 + 7	41.90	19.75	+2 + 6	34.25	27.07	+6 − 7
19	47.38	58.29	−9 + 1	46.27	10.57	+3 + 4	41.69	20.05	+5 + 2	33.97	27.23	+4 − 9
20	47.42	58.66	−8 + 5	46.16	10.94	+5 0	41.48	20.34	+6 − 2	33.70	27.38	+2 − 9
21	47.46	59.04	−5 + 7	46.05	11.31	+6 − 3	41.26	20.63	+6 − 5	33.42	27.53	−1 − 8
22	47.49	59.43	−2 + 7	45.93	11.68	+6 − 6	41.04	20.92	+5 − 8	33.14	27.68	−3 − 5
23	47.52	59.81	+1 + 6	45.81	12.04	+5 − 9	40.82	21.20	+3 − 9	32.86	27.82	−5 − 1
24	47.54	60.20	+4 + 3	45.68	12.40	+2 − 9	40.60	21.48	+1 − 9	32.58	27.96	−6 + 3
25	47.55	60.58	+6 − 1	45.55	12.76	0 − 8	40.37	21.75	−2 − 7	32.30	28.09	−6 + 7
26	47.56	60.97	+6 − 4	45.41	13.12	−3 − 6	40.14	22.02	−4 − 4	32.01	28.22	−4 +10
27	47.57	61.36	+6 − 7	45.27	13.48	−5 − 3	39.91	22.29	−6 0	31.73	28.34	−1 +11
28	47.57	61.74	+4 − 9	45.12	13.84	−6 + 1	39.67	22.55	−6 + 4	31.45	28.46	+2 +10
29	47.56	62.13	+2 − 9	44.97	14.19	−6 + 6	39.43	22.81	−5 + 8	31.16	28.57	+5 + 8
30	47.55	62.52	−1 − 7				39.19	23.07	−3 +10	30.88	28.67	+7 + 3
31	47.54	62.90	−4 − 5				38.95	23.32	0 +11	30.60	28.77	+8 − 2
32	47.52	63.29	−5 − 1				38.70	23.57	+3 +10			

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−85° 23′ 50″	12.461	−12.421	−85° 24′ 0″	12.469	−12.429	−85° 24′ 20″	12.484	−12.444
60	12.469	−12.429	10	12.476	−12.436	30	12.492	−12.452

$\alpha_{1934.0} = 9^h\ 6^m\ 38^s.18$ $\delta_{1934.0} = -85°\ 24'\ 5''.48$

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Sc) ζ Octantis $5^m.38$

Tag	Mai AR.	Mai Dekl.	Mai ℭ Glieder		Juni AR.	Juni Dekl.	Juni ℭ Glieder		Juli AR.	Juli Dekl.	Juli ℭ Glieder		August AR.	August Dekl.	August ℭ Glieder	
	$9^h\ 6^m$	—85° 24′	in $0^s.01$	in 0″.01	$9^h\ 6^m$	—85° 24′	in $0^s.01$	in 0″.01	$9^h\ 6^m$	—85° 24′	in $0^s.01$	in 0″.01	$9^h\ 6^m$	—85° 24′	in $0^s.01$	in 0″.01
1	$30^s.60$	28″.77	+8	−2	$21^s.95$	29″.27	−2	−10	$15^s.08$	25″.08	−9	0	$11^s.20$	17″.15	−1	+7
2	30.31	28.86	+7	−6	21.69	29.20	−5	−7	14.90	24.87	−8	+4	11.15	16.85	+2	+5
3	30.03	28.95	+4	−10	21.43	29.12	−8	−3	14.72	24.66	−6	+7	11.10	16.56	+5	+1
4	29.74	29.04	+1	−11	21.17	29.04	−9	+1	14.54	24.44	−3	+8	11.05	16.26	+6	−3
5	29.46	29.12	−3	−9	20.92	28.96	−8	+5	14.37	24.22	0	+7	11.01	15.97	+6	−6
6	29.17	29.19	−6	−5	20.66	28.87	−5	+8	14.20	24.00	+3	+4	10.97	15.67	+5	−9
7	28.89	29.26	−8	−1	20.41	28.77	−2	+8	14.03	23.77	+5	0	10.93	15.37	+3	−10
8	28.60	29.33	−8	+4	20.16	28.67	+2	+6	13.87	23.54	+6	−4	*)10.90	15.07	0	−9
9	28.32	29.39	−6	+7	19.91	28.57	+5	+3	13.71	23.31	+6	−7	10.87	14.77	−2	−7
10	28.03	29.44	−4	+8	19.66	28.46	+6	−1	13.55	23.07	+4	−9	10.85	14.47	−5	−4
11	27.75	29.49	0	+8	19.42	28.34	+6	−5	13.40	22.83	+2	−9	10.84	14.17	−6	0
12	27.47	29.53	+3	+5	19.18	28.22	+5	−8	13.25	22.59	−1	−8	10.83	13.86	−6	+4
13	27.19	29.57	+5	+1	18.94	28.10	+3	−9	13.11	22.34	−3	−6	10.82	13.56	−5	+8
14	26.90	29.60	+7	−3	18.70	27.97	+1	−9	12.97	22.09	−5	−2	10.82	13.26	−3	+10
15	26.62	29.63	+6	−6	18.46	27.83	−1	−7	12.83	21.84	−6	+2	10.83	12.96	0	+11
16	26.34	29.65	+5	−8	18.23	27.69	−4	−4	12.70	21.58	−6	+6	10.84	12.65	+3	+10
17	26.06	29.67	+3	−9	18.00	27.55	−5	0	12.57	21.32	−4	+10	10.85	12.35	+6	+7
18	25.78	29.68	0	−8	17.77	27.41	−6	+4	12.45	21.06	−2	+12	10.87	12.04	+8	+3
19	25.50	29.68	−2	−6	17.55	27.26	−5	+8	12.33	20.80	+2	+12	10.90	11.74	+8	−2
20	25.22	29.68	−4	−3	17.33	27.10	−3	+8	12.22	20.53	+5	+9	10.93	11.43	+7	−6
21	24.94	29.68	−6	+1	17.11	26.94	0	+12	12.11	20.26	+7	+6	10.96	11.13	+4	−9
22	24.66	29.67	−6	+5	16.89	26.77	+3	+11	12.00	19.99	+9	+1	11.00	10.83	0	−9
23	24.39	29.65	−5	+9	16.68	26.60	+6	+8	11.90	19.71	+8	−4	11.04	10.53	−4	−7
24	24.11	29.63	−2	+11	16.47	26.43	+8	+3	11.81	19.43	+6	−8	11.09	10.24	−7	−3
25	23.84	29.60	+1	+11	16.27	26.25	+8	−2	11.72	19.15	+2	−9	11.14	9.94	−8	+1
26	23.57	29.57	+4	+9	16.06	26.07	+7	−6	11.63	18.87	−2	−9	11.20	9.64	−8	+5
27	23.29	29.53	+7	+6	15.86	25.88	+4	−10	11.54	18.59	−6	−6	11.27	9.35	−6	+8
28	23.02	29.49	+8	+1	15.66	25.69	0	−10	11.46	18.31	−8	−2	11.34	9.05	−2	+8
29	22.75	29.44	+8	−4	15.46	25.49	−4	−8	11.39	18.02	−9	+2	11.41	8.76	+1	+6
30	22,48	29.39	+6	−8	15.27	25.29	−7	−5	11.32	17.73	−7	+6	11.49	8.47	+4	+3
31	22.22	29.33	+2	−10	15.08	25.08	−9	0	11.26	17.44	−5	+8	11.57	8.18	+5	−1
32	21.95	29.27	−2	−10					11.20	17.15	−1	+7	11.66	7.89	+6	−5

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−85° 24′ 0″	12.469	−12.429	−85° 24′ 10″	12.476	−12.436	−85° 24′ 20″	12.484	−12.444
10	12.476	−12.436	20	12.484	−12.444	30	12.492	−12.452

$\alpha_{1934.0} = 9^h\ 6^m\ 38^s.18$ $\delta_{1934.0} = -85°\ 24'\ 5''.48$

*) Tag der doppelten unteren Kulmination: Aug. 8.

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Sc) ζ Octantis $5^{m}.38$

Tag	September			Oktober			November			Dezember		
	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder
	$9^h 6^m$	— $85° 24'$	in $0.^s01$ | $0.''01$	$9^h 6^m$	— $85° 23'$	in $0.^s01$ | $0.''01$	$9^h 6^m$	— $85° 23'$	in $0.^s01$ | $0.''01$	$9^h 6^m$	— $85° 24'$	in $0.^s01$ | $0.''01$
1	^{s}11.66	$''$7.89	+6 − 5	^{s}16.29	$''$60.61	+2 −10	^{s}24.08	$''$57.62	−6 0	^{s}32.09	$''$0.53	−4 + 9
2	11.75	7.61	+5 − 8	16.50	60.43	−1 − 9	24.35	57.62	−6 + 3	32.33	0.72	−2 +11
3	11.85	7.32	+3 −10	16.72	60.25	−3 − 7	24.63	57.63	−5 + 7	32.57	0.92	+1 +11
4	11.95	7.04	+1 −10	16.94	60.08	−5 − 3	24.90	57.64	−3 +10	32.81	1.13	+4 + 9
5	12.05	6.76	−2 − 8	17.16	59.92	−6 + 1	25.18	57.66	−1 +11	33.04	1.34	+7 + 5
6	12.16	6.48	−4 − 5	17.39	59.76	−6 + 5	25.45	57.69	+3 +10	33.27	1.56	+8 0
7	12.27	6.20	−6 − 2	17.62	59.60	−5 + 8	25.73	57.73	+5 + 7	33.50	1.78	+8 − 4
8	12.39	5.93	−6 + 2	17.86	59.45	−2 +10	26.00	57.77	+7 + 3	33.73	2.01	+5 − 8
9	12.51	5.66	−6 + 6	18.09	59.30	+1 +10	26.28	57.82	+8 − 2	33.95	2.24	+2 − 9
10	12.64	5.39	−4 + 9	18.33	59.16	+4 + 9	26.55	57.88	+7 − 6	34.17	2.48	−2 − 9
11	12.77	5.13	−1 +11	18.57	59.03	+6 + 6	26.83	57.94	+4 − 9	34.39	2.72	−5 − 6
12	12.91	4.87	+2 +10	18.81	58.90	+8 + 1	27.10	58.01	+1 − 9	34.60	2.97	−8 − 2
13	13.05	4.61	+5 + 8	19.06	58.78	+8 − 3	27.37	58.08	−3 − 8	34.81	3.22	−8 + 3
14	13.20	4.35	+7 + 4	19.31	58.67	+6 − 7	27.64	58.16	−6 − 4	35.02	3.48	−7 + 6
15	13.35	4.10	+8 0	19.56	58.56	+3 − 9	27.92	58.25	−8 + 1	35.22	3.75	−4 + 8
16	13.51	3.85	+8 − 5	19.81	58.45	−1 − 9	28.19	58.35	−8 + 5	35.42	4.02	−1 + 8
17	13.67	3.61	+5 − 8	20.07	58.35	−4 − 6	28.46	58.45	−6 + 8	35.62	4.29	+3 + 5
18	13.83	3.37	+2 − 9	20.33	58.26	−7 − 2	28.73	58.56	−3 + 9	35.81	4.57	+5 + 1
19	14.00	3.13	−2 − 8	20.59	58.18	−8 + 3	29.00	58.67	+1 + 7	36.00	4.85	+6 − 3
20	14.17	2.90	−6 − 4	20.85	58.10	−7 + 6	29.27	58.79	+4 + 4	36.18	5.14	+6 − 6
21	14.34	2.67	−8 0	21.11	58.03	−5 + 9	29.53	58.92	+6 0	36.36	5.43	+4 − 9
22	14.52	2.44	−8 + 4	21.38	57.96	−1 + 9	29.80	59.06	+6 − 4	36.54	5.73	+2 −10
23	14.70	2.22	−6 + 7	21.64	57.90	+2 + 6	30.06	59.20	+6 − 7	36.71	6.03	−1 − 9
24	14.89	2.00	−4 + 9	21.91	57.84	+5 + 3	30.32	59.34	+4 − 9	36.88	6.33	−3 − 7
25	15.08	1.79	0 + 8	22.17	57.79	+6 − 1	30.58	59.49	+1 −10	37.05	6.64	−5 − 3
26	15.27	1.58	+3 + 5	22.44	57.75	+6 − 6	30.84	59.65	−2 − 8	37.21	6.95	−6 + 1
27	15.47	1.38	+5 0	22.71	57.71	+5 − 9	31.09	59.81	−4 − 5	37.37	7.27	−6 + 5
28	15.67	1.18	+6 − 4	22.98	57.68	+3 −10	31.34	59.98	−6 − 2	37.52	7.59	−5 + 8
29	15.87	0.98	+6 − 7	23.25	57.65	0 −10	31.59	60.16	−6 + 2	37.67	7.91	−2 +10
30	16.08	0.79	+4 − 9	23.53	57.63	−3 − 8	31.84	60.34	−5 + 6	37.81	8.24	0 +11
31	16.29	0.61	+2 −10	23.80	57.62	−5 − 4	32.09	60.53	−4 + 9	37.95	8.57	+4 +10
32				24.08	57.62	−6 0				38.08	8.91	+6 + 7

δ	sec δ	tg δ	δ	sec δ	tg δ
−85° 23′ 50″	12.461	−12.421	−85° 24′ 0″	12.469	−12.429
60	12.469	−12.429	10	12.476	−12.436

$\alpha_{1934.0} = 9^h\ 6^m\ 38^s.18$ $\delta_{1934.0} = -85°\ 24'\ 5''.48$

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Sd) ι Octantis $5^{m}.38$

Tag	Januar AR.	Januar Dekl.	Januar ☾ Glieder	Februar AR.	Februar Dekl.	Februar ☾ Glieder	März AR.	März Dekl.	März ☾ Glieder	April AR.	April Dekl.	April ☾ Glieder
	$12^{h}47^{m}$	— $84°45'$	in $0^{s}.01$ | $0''.01$	$12^{h}47^{m}$	— $84°45'$	in $0^{s}.01$ | $0''.01$	$12^{h}47^{m}$	— $84°45'$	in $0^{s}.01$ | $0''.01$	$12^{h}48^{m}$	— $84°46'$	in $0^{s}.01$ | $0''.01$
	s	"		s	"		s	"		s	"	
1	46.24	41.11	+7 − 3	53.99	46.52	−2 − 6	59.15	55.22	−4 − 6	1.85	6.92	−7 + 8
2	46.51	41.19	+5 − 5	54.21	46.78	−5 − 4	59.29	55.58	−7 − 3	1.88	7.31	−5 +10
3	46.78	41.28	+3 − 7	54.43	47.04	−8 − 1	59.42	55.94	−8 + 1	1.91	7.70	−1 +11
4	47.04	41.38	0 − 7	54.65	47.31	−8 + 4	59.55	56.30	−8 + 6	1.93 1.95	8.08 8.47	+3 + 9 +6 + 6
5	47.31	41.49	−4 − 5	54.86	47.58	−8 + 8	59.68	56.66	−6 + 9	1.97	8.86	+8 + 1
6	47.58	41.60	−7 − 2	55.07	47.86	−6 +11	59.81	57.03	−3 +11	1.98	9.24	+8 − 4
7	47.84	41.72	−8 + 1	55.28	48.14	−2 +12	59.93	57.39	0 +11	1.99	9.62	+6 − 8
8	48.10	41.84	−9 + 6	55.49	48.42	+2 +11	60.05	57.76	+4 + 9	2.00	10.00	+2 −10
9	48.36	41.97	−7 +10	55.69	48.71	+5 + 8	60.17	58.13	+7 + 5	2.00	10.38	−1 −10
10	48.62	42.11	−4 +12	55.89	49.00	+8 + 3	60.28	58.50	+8 0	2.00	10.76	−5 − 8
11	48.88	42.25	0 +12	56.09	49.30	+8 − 3	60.39	58.87	+7 − 5	1.99	11.14	−7 − 4
12	49.14	42.40	+3 +10	56.29	49.60	+6 − 7	60.49	59.25	+4 − 9	1.98	11.52	−8 0
13	49.40	42.55	+7 + 5	56.48	49.90	+3 −10	60.59	59.63	+1 −10	1.97	11.90	−6 + 4
14	49.65	42.71	+8 0	56.67	50.21	0 −11	60.69	60.00	−3 −10	1.96	12.27	−4 + 6
15	49.90	42.88	+8 − 5	56.85	50.52	−4 − 9	60.78	60.38	−6 − 7	1.94	12.65	0 + 7
16	50.16	43.05	+5 −10	57.03	50.84	−6 − 6	60.87	60.76	−7 − 3	1.92	13.02	+3 + 6
17	50.41	43.23	+2 −12	57.21	51.16	−7 − 2	60.96	61.14	−7 + 1	1.89	13.39	+6 + 4
18	50.66	43.41	−2 −11	57.39	51.48	−6 + 2	61.04	61.53	−5 + 5	1.86	13.76	+7 + 1
19	50.91	43.60	−5 − 9	57.57	51.81	−4 + 5	61.12	61.91	−2 + 7	1.83	14.12	+7 − 2
20	51.16	43.79	−7 − 5	57.74	52.14	−1 + 6	61.20	62.29	+1 + 7	1.79	14.49	+6 − 5
21	51.40	43.99	−7 0	57.91	52.47	+2 + 6	61.27	62.68	+4 + 5	1.75	14.85	+4 − 7
22	51.65	44.20	−5 + 3	58.08	52.80	+5 + 4	61.34	63.06	+7 + 3	1.71	15.21	+1 − 7
23	51.89	44.41	−3 + 6	58.24	53.14	+7 + 2	61.41	63.45	+8 0	1.66	15.57	−2 − 7
24	52.13	44.62	0 + 7	58.40	53.48	+8 − 1	61.47	63.83	+7 − 3	1.61	15.92	−5 − 4
25	52.37	44.84	+3 + 6	58.56	53.82	+7 − 4	61.53	64.22	+6 − 6	1.56	16.28	−7 − 1
26	52.61	45.07	+6 + 4	58.71	54.17	+5 − 6	61.59	64.60	+3 − 7	1.50	16.63	−8 + 3
27	52.84	45.30	+7 + 1	58.86	54.52	+2 − 7	61.64	64.99	0 − 7	1.44	16.98	−8 + 7
28	53.08	45.53	+7 − 2	59.01	54.87	−1 − 7	61.69	65.38	−3 − 6	1.38	17.33	−6 +10
29	53.31	45.77	+6 − 5	59.15	55.22	−4 − 6	61.74	65.76	−6 − 4	1.31	17.67	−3 +11
30	53.54	46.02	+4 − 7				61.78	66.15	−8 0	1.24	18.02	+1 +10
31	53.77	46.27	+1 − 7				61.82	66.54	−8 + 4	1.17	18.36	+5 + 7
32	53.99	46.52	−2 − 6				61.85	66.92	−7 + 8			

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−84° 45′ 40″	10.952	−10.906	−84° 45′ 50″	10.958	−10.912	−84° 46′ 10″	10.969	−10.924
50	10.958	−10.912	60	10.963	−10.918	20	10.975	−10.929

$\alpha_{1934.0} = 12^{h}\ 47^{m}\ 50^{s}.34$ $\delta_{1934.0} = -84°\ 45'\ 55''.63$

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Sd) ι Octantis $5^m_.38$

Tag	Mai AR.	Mai Dekl.	Mai ℂ Glieder	Juni AR.	Juni Dekl.	Juni ℂ Glieder	Juli AR.	Juli Dekl.	Juli ℂ Glieder	August AR.	August Dekl.	August ℂ Glieder
	12^h47^m	— $84°46'$	in $0^s.01$ | $0''.01$	12^h47^m	— $84°46'$	in $0^s.01$ | $0''.01$	12^h47^m	— $84°46'$	in $0^s.01$ | $0''.01$	12^h47^m	— $84°46'$	in $0^s.01$ | $0''.01$
	s	"		s	"		s	"		s	"	
1	61.17	18.36	+5 + 7	57.45	27.28	+5 − 9	51.85	31.80	−4 −10	45.46	31.25	−5 + 4
2	61.09	18.70	+8 + 3	57.29	27.50	+2 −11	51.65	31.87	−6 − 6	45.27	31.14	−2 + 6
3	61.01	19.03	+8 − 2	57.13	27.72	−2 −11	51.44	31.93	−7 − 2	45.07	31.03	+2 + 6
4	60.93	19.36	+7 − 7	56.96	27.94	−5 − 8	51.24	31.99	−6 + 2	44.88	30.91	+5 + 4
5	60.84	19.69	+4 −10	56.79	28.15	−7 − 4	51.03	32.04	−4 + 5	44.69	30.79	+7 + 2
6	60.75	20.02	0 −11	56.62	28.35	−7 0	50.82	32.08	−1 + 6	44.50	30.66	+8 − 1
7	60.66	20.34	−4 −10	56.45	28.55	−6 + 4	50.61	32.12	+3 + 6	44.32	30.53	+7 − 4
8	60.57	20.66	−6 − 6	56.28	28.75	−3 + 6	50.41	32.15	+6 + 4	44.13	30.39	+6 − 7
9	60.47	20.98	−7 − 2	56.11	28.94	+1 + 7	50.20	32.18	+7 + 1	43.95	30.25	+3 − 8
10	60.37	21.30	−7 + 2	55.93	29.12	+4 + 6	49.99	32.20	+8 − 2	43.77	30.10	0 − 8
11	60.27	21.61	−5 + 6	55.75	29.30	+6 + 3	49.78	32.22	+7 − 5	43.59	29.95	−3 − 6
12	60.16	21.92	−2 + 7	55.57	29.47	+7 0	49.57	32.23	+5 − 7	43.41	29.79	−6 − 3
13	60.05	22.22	+2 + 7	55.39	29.64	+7 − 3	49.36	32.23	+2 − 8	43.24	29.63	−8 0
14	59.94	22.52	+5 + 5	55.21	29.81	+6 − 5	49.15	32.23	−1 − 7	43.06	29.46	−8 + 5
15	59.82	22.82	+7 + 2	55.02	29.97	+4 − 7	48.94	32.23	−4 − 5	42.89	29.29	−7 + 9
16	59.70	23.11	+8 − 1	54.83	30.12	+1 − 7	48.73	32.22	−7 − 2	42.72	29.11	−5 +11
17	59.58	23.40	+7 − 4	54.64	30.27	−3 − 6	48.52	32.20	−8 + 2	42.55	28.92	−1 +12
18	59.46	23.69	+5 − 6	54.45	30.42	−6 − 3	48.32	32.18	−8 + 7	42.38	28.73	+2 +11
19	59.33	23.97	+2 − 7	54.26	30.56	−8 0	48.11	32.15	−7 +10	42.22	28.54	+5 + 8
20	59.20	24.25	−1 − 7	54.06	30.69	−8 + 4	47.90	32.11	−4 +12	42.06	28.34	+7 + 3
21	59.07	24.53	−4 − 5	53.86	30.82	−8 + 8	47.69	32.07	0 +12	41.90	28.14	+7 − 2
22	58.94	24.80	−6 − 2	53.67	30.94	−5 +11	47.48	32.03	+4 +10	41.75	27.94	+5 − 7
23	58.80	25.07	−8 + 1	53.47	31.06	−2 +12	47.27	31.98	+7 + 5	41.60	27.73	+2 − 9
24	58.66	25.33	−8 + 5	53.27	31.17	+2 +11	47.07	31.92	+7 0	41.45	27.51	−1 −10
25	58.52	25.59	−7 + 9	53.07	31.28	+5 + 8	46.87	31.85	+7 − 5	41.30	27.29	−5 − 8
26	58.37	25.84	−4 +11	52.87	31.38	+8 + 3	46.66	31.78	+4 − 9	41.16	27.07	−7 − 5
27	58.23	26.09	0 +11	52.67	31.48	+8 − 3	46.46	31.71	+1 −11	41.02	26.85	−7 0
28	58.08	26.34	+4 + 9	52.47	31.57	+6 − 8	46.26	31.63	−3 −10	40.88	26.62	−6 + 3
29	57.93	26.58	+7 + 5	52.26	31.65	+3 −11	46.06	31.54	−6 − 8	40.75	26.38	−3 + 6
30	57.77	26.82	+8 0	52.06	31.73	0 −11	45.86	31.45	−7 − 4	40.62	26.14	0 + 6
31	57.61	27.05	+8 − 5	51.85	31.80	−4 −10	45.66	31.35	−7 + 1	40.49	25.90	+4 + 5
32	57.45	27.28	+5 − 9				45.46	31.25	−5 + 4	40.37	25.66	+7 + 3

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−84° 46′ 10″	10.969	−10.924	−84° 46′ 20″	10.975	−10.929	−84° 46′ 30″	10.981	−10.935
20	10.975	−10.929	30	10.981	−10.935	40	10.987	−10.941

$\alpha_{1934.0} = 12^h\ 47^m\ 50^s.34$ $\delta_{1934.0} = -84°\ 45'\ 55''.63$

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Sd) ι Octantis $5^m.38$

Tag	September				Oktober				November				Dezember			
	AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder	
	12^h47^m	$-84°46'$	in $0.^s01$	in $0.''01$	12^h47^m	$-84°46'$	in $0.^s01$	in $0.''01$	12^h47^m	$-84°46'$	in $0.^s01$	in $0.''01$	12^h47^m	$-84°46'$	in $0.^s01$	in $0.''01$
	s	"			s	"			s	"			s	"		
1	40.37	25.66	+7	+3	38.44	17.11	+7	−5	40.59	8.05	−3	−7	46.35	2.27	−8	+2
2	40.25	25.41	+8	0	38.44	16.81	+5	−8	40.73	7.79	−5	−4	46.59	2.16	−8	+6
3	40.13	25.16	+8	−4	*)38.45	16.50	+2	−8	40.87	7.54	−7	−1	46.83	2.05	−6	+9
4	40.02	24.90	+6	−6	38.46	16.19	−1	−8	41.02	7.29	−8	+3	47.07	1.95	−3	+11
5	39.91	24.64	+4	−8	38.47	15.88	−4	−6	41.17	7.04	−7	+7	47.31	1.86	0	+11
6	39.80	24.38	+1	−8	38.49	15.58	−6	−3	41.33	6.80	−5	+10	47.56	1.77	+4	+9
7	39.70	24.12	−2	−7	38.51	15.27	−8	+1	41.49	6.56	−2	+11	47.81	1.69	+6	+5
8	39.60	23.85	−5	−5	38.54	14.96	−8	+5	41.65	6.33	+2	+10	48.06	1.62	+7	0
9	39.50	23.58	−7	−2	38.57	14.65	−6	+9	41.82	6.10	+5	+7	48.32	1.55	+7	−5
10	39.41	23.31	−8	+2	38.61	14.35	−4	+11	41.99	5.87	+7	+3	48.57	1.49	+5	−9
11	39.32	23.03	−8	+7	38.65	14.04	0	+11	42.17	5.65	+7	−2	48.82	1.43	+1	−10
12	39.24	22.75	−6	+10	38.70	13.74	+3	+9	42.35	5.43	+6	−7	49.08	1.38	−3	−10
13	39.16	22.47	−3	+11	38.75	13.44	+6	+6	42.53	5.22	+3	−9	49.34	1.34	−6	−7
14	39.08	22.19	+1	+11	38.81	13.13	+7	+1	42.71	5.01	−1	−10	49.60	1.30	−7	−3
15	39.01	21.91	+4	+9	38.87	12.83	+7	−4	42.90	4.81	−4	−8	49.86	1.27	−7	+1
16	38.94	21.62	+7	+5	38.94	12.53	+5	−8	43.09	4.61	−7	−5	50.12	1.24	−5	+5
17	38.88	21.33	+7	0	39.01	12.23	+1	−9	43.29	4.42	−8	0	50.38	1.22	−2	+7
18	38.82	21.03	+6	−5	39.08	11.94	−2	−9	43.49	4.23	−6	+4	50.64	1.21	+2	+7
19	38.76	20.73	+3	−8	39.16	11.65	−6	−7	43.69	4.05	−4	+6	50.91	1.20	+5	+5
20	38.71	20.44	0	−9	39.24	11.36	−7	−3	43.90	3.87	0	+7	51.17	1.20	+7	+2
21	38.67	20.14	−4	−8	39.33	11.07	−8	+1	44.11	3.70	+3	+6	51.44	1.21	+8	−2
22	38.63	19.84	−7	−6	39.42	10.78	−6	+5	44.32	3.53	+6	+4	51.71	1.22	+7	−5
23	38.59	19.54	−8	−2	39.52	10.49	−3	+7	44.54	3.37	+7	0	51.97	1.24	+5	−7
24	38.55	19.24	−7	+2	39.62	10.21	+1	+7	44.76	3.21	+8	−3	52.24	1.27	+3	−8
25	38.52	18.94	−5	+5	39.73	9.93	+4	+5	44.98	3.06	+7	−6	52.51	1.30	0	−8
26	38.50	18.64	−1	+7	39.84	9.65	+7	+2	45.20	2.91	+4	−8	52.77	1.34	−3	−6
27	38.48	18.33	+2	+6	39.95	9.38	+8	−1	45.42	2.77	+1	−8	53.04	1.39	−6	−3
28	38.46	18.03	+5	+4	40.07	9.11	+8	−4	45.65	2.64	−2	−7	53.31	1.44	−7	+1
29	38.45	17.72	+7	+1	40.19	8.84	+6	−7	45.88	2.51	−5	−5	53.58	1.50	−8	+5
30	38.44	17.42	+8	−2	40.32	8.57	+3	−8	46.12	2.39	−7	−2	53.84	1.57	−7	+9
31	38.44	17.11	+7	−5	40.45	8.31	0	−8	46.35	2.27	−8	+2	54.11	1.64	−5	+11
32					40.59	8.05	−3	−7					54.38	1.72	−1	+12

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−84° 46′ 0″	10.963	−10.918	−84° 46′ 10″	10.969	−10.924	−84° 46′ 20″	10.975	−10.929
10	10.969	−10.924	20	10.975	−10.929	30	10.981	−10.935

$\alpha_{1934.0} = 12^h\ 47^m\ 50^s.34$ $\delta_{1934.0} = -84°\ 45'\ 55''.63$

*) Tag der doppelten unteren Kulmination: Okt. 3.

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Se) Octantis 20 G. $6^m.52$

Tag	Januar				Februar				März				April			
	AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder	
	14^h53^m	— $87°\ 52'$	in $0^s.01$	in $0''.01$	14^h53^m	— $87°\ 52'$	in $0^s.01$	in $0''.01$	14^h54^m	— $87°\ 52'$	in $0^s.01$	in $0''.01$	14^h54^m	— $87°\ 53'$	in $0^s.01$	in $0''.01$
1	$24^s.88$	$53''.58$	+17	+ 2	$45^s.58$	$52''.78$	0	− 8	$4^s.19$	$56''.64$	− 5	− 8	$20^s.67$	$4''.86$	−21	+ 3
2	25.50	53.47	+15	− 2	46.27	52.85	− 9	− 8	4.81	56.85	−12	− 7	21.10	5.17	−17	+ 7
3	26.13	53.36	+11	− 5	46.96	52.92	−16	− 6	5.42	57.06	−18	− 4	21.52	5.49	−10	+10
4	26.76	53.26	+ 4	− 7	47.65	53.00	−21	− 2	6.03	57.28	−21	0	21.93	5.81	− 1	+11
5	27.39	53.16	− 4	− 8	48.34	53.08	−23	+ 3	6.63	57.50	−21	+ 5	22.33	6.13	+ 9	+10
6	28.03	53.07	−12	− 7	49.02	53.17	−20	+ 7	7.23	57.72	−15	+ 9	22.72	6.45	+16	+ 6
7	28.67	52.99	−19	− 4	49.71	53.26	−13	+11	7.82	57.95	− 7	+11	23.11	6.78	+19	+ 1
8	29.32	52.91	−23	0	50.39	53.36	− 4	+12	8.41	58.19	+ 2	+11	23.48	7.10	+18	− 4
9	29.97	52.84	−23	+ 5	51.08	53.47	+ 6	+11	8.99	58.43	+11	+ 9	23.85	7.43	+12	− 9
10	30.62	52.77	−18	+ 9	51.76	53.58	+14	+ 8	9.57	58.67	+17	+ 4	24.21	7.76	+ 4	−11
11	31.27	52.71	−10	+11	52.44	53.69	+18	+ 2	10.14	58.91	+19	− 1	24.56	8.09	− 5	−11
12	31.93	52.66	0	+12	53.12	53.81	+18	− 3	10.71	59.16	+16	− 6	24.91	8.43	−12	− 9
13	32.59	52.61	+10	+10	53.80	53.94	+14	− 8	11.27	59.42	+ 9	−10	25.24	8.76	−16	− 5
14	33.26	52.57	+17	+ 5	54.47	54.07	+ 7	−11	11.83	59.68	+ 1	−11	25.57	9.10	−16	0
15	33.93	52.53	+20	0	55.14	54.21	− 2	−12	12.38	59.94	− 7	−10	25.89	9.44	−12	+ 4
16	34.60	52.50	+18	− 6	55.80	54.35	− 9	−10	12.92	60.20	−13	− 7	26.20	9.78	− 6	+ 7
17	35.27	52.47	+12	−10	56.47	54.50	−14	− 6	13.45	60.47	−16	− 3	26.50	10.13	+ 2	+ 8
18	35.95	52.45	+ 4	−12	57.13	54.65	−15	− 2	13.98	60.74	−14	+ 1	26.79	10.47	+ 9	+ 8
19	36.63	52.44	− 4	−12	57.79	54.81	−12	+ 3	14.50	61.01	− 9	+ 5	27.07	10.81	+14	+ 6
20	37.31	52.43	−11	− 9	58.45	54.97	− 6	+ 6	15.02	61.29	− 2	+ 7	27.35	11.16	+17	+ 3
21	37.99	52.43	−14	− 5	59.10	55.14	+ 1	+ 8	15.53	61.57	+ 5	+ 8	27.62	11.50	+17	0
22	38.68	52.43	−14	0	59.75	55.31	+ 8	+ 8	16.03	61.85	+11	+ 7	27.88	11.85	+14	− 4
23	39.37	52.44	−10	+ 4	60.40	55.49	+13	+ 6	16.52	62.14	+16	+ 5	28.13	12.20	+ 8	− 6
24	40.06	52.45	− 4	+ 7	61.04	55.67	+17	+ 4	17.01	62.43	+18	+ 2	28.37	12.55	+ 1	− 8
25	40.75	52.47	+ 3	+ 8	61.68	55.86	+18	+ 1	17.49	62.72	+16	− 2	28.60	12.90	− 7	− 8
26	41.44	52.50	+10	+ 8	62.31	56.05	+15	− 3	17.97	63.02	+12	− 5	28.82	13.25	−14	− 6
27	42.13	52.53	+15	+ 6	62.94	56.24	+10	− 6	18.44	63.32	+ 6	− 7	29.04	13.61	−19	− 3
28	42.82	52.57	+17	+ 3	63.57	56.44	+ 3	− 8	18.90	63.62	− 2	− 8	29.24	13.96	−21	+ 1
29	43.51	52.61	+17	− 1	64.19	56.64	− 5	− 8	19.35	63.93	−10	− 7	29.43	14.31	−19	+ 6
30	44.20	52.66	+13	− 4					19.80	64.24	−16	− 5	29.62	14.67	−13	+ 9
31	44.89	52.72	+ 8	− 6					20.24	64.55	−20	− 2	29.80	15.02	− 4	+11
32	45.58	52.78	0	− 8					20.67	64.86	−21	+ 3				

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−87° 52′ 50″	27.040	−27.021	−87° 53′ 0″	27.075	−27.057	−87° 53′ 10″	27.111	−27.092
60	27.075	−27.057	10	27.111	−27.092	20	27.146	−27.128

$\alpha_{1934.0} = 14^h\ 53^m\ 48^s.12$ $\delta_{1934.0} = -87°\ 53'\ 2''.68$

Obere Kulmination Greenwich

Se) Octantis 20 G. $6^m.52$

Tag	Mai AR.	Mai Dekl.	Mai ℭ Glieder	Juni AR.	Juni Dekl.	Juni ℭ Glieder	Juli AR.	Juli Dekl.	Juli ℭ Glieder	August AR.	August Dekl.	August ℭ Glieder
		—	in		—	in		—	in		—	in
	14^h54^m	87° 53′	$0^s.01$ | 0″.01	14^h54^m	87° 53′	$0^s.01$ | 0″.01	14^h54^m	87° 53′	$0^s.01$ | 0″.01	14^h53^m	87° 53′	$0^s.01$ | 0″.01
	s	″		s	″		s	″		s	″	
1	29.80	15.02	− 4 +11	30.57	26.00	+18 − 6	23.01	34.27	− 1 −12	68.93	38.76	−13 + 1
2	29.97	15.37	+ 5 +10	30.44	26.32	+12 −10	22.64	34.49	− 9 −10	68.42	38.82	− 8 + 5
3	30.13	15.72	+14 + 8	30.30	26.64	+ 4 −12	22.26	34.70	−14 − 6	67.90	38.87	0 + 7
4	30.28	16.07	+19 + 3	30.16	26.95	− 5 −11	21.87	34.91	−15 − 2	67.38	38.92	+ 7 + 8
5	30.42	16.43	+20 − 3	30.00	27.26	−12 − 9	21.48	35.11	−12 + 3	66.86	38.96	+14 + 6
6	{30.55 30.67	16.78 17.13	+16 − 8 + 8 −11}	29.84	27.57	−15 − 4	21.08	35.31	− 5 + 6	66.33	39.00	+18 + 4
7	30.78	17.49	− 1 −12	29.66	27.88	−15 0	20.68	35.51	+ 2 + 8	65.81	39.03	+19 + 1
8	30.88	17.84	− 9 −10	29.48	28.18	−10 + 4	20.27	35.70	+ 9 + 8	65.28	39.05	+17 − 3
9	30.98	18.19	−14 − 7	29.29	28.48	− 3 + 7	19.85	35.89	+15 + 6	64.75	39.07	+12 − 6
10	31.07	18.54	−16 − 2	29.09	28.78	+ 4 + 8	19.43	36.07	+18 + 3	64.22	39.08	+ 6 − 8
11	31.15	18.89	−14 + 2	28.88	29.08	+11 + 7	19.00	36.25	+18 0	63.69	39.09	− 2 − 8
12	31.21	19.24	− 8 + 6	28.66	29.37	+15 + 5	18.57	36.42	+15 − 4	63.16	39.09	−10 − 7
13	31.27	19.59	− 1 + 8	28.43	29.66	+17 + 2	18.13	36.59	+ 9 − 6	62.63	39.08	−17 − 5
14	31.32	19.94	+ 6 + 8	28.20	29.95	+16 − 1	17.68	36.75	+ 2 − 8	62.10	39.07	−21 − 1
15	31.36	20.29	+13 + 7	27.96	30.23	+12 − 4	17.23	36.91	− 6 − 8	61.57	39.05	−22 + 4
16	31.39	20.64	+16 + 4	27.71	30.51	+ 6 − 7	16.78	37.06	−14 − 6	61.04	39.03	−18 + 8
17	31.41	20.99	+17 + 1	27.45	30.79	− 2 − 8	16.32	37.21	−19 − 3	60.51	39.00	−12 +11
18	31.42	21.33	+15 − 2	27.19	31.06	− 9 − 7	15.85	37.35	−22 + 1	59.98	38.97	− 3 +12
19	31.42	21.67	+10 − 5	26.91	31.33	−16 − 5	15.38	37.48	−21 + 6	59.45	38.93	+ 6 +11
20	31.41	22.02	+ 3 − 7	26.63	31.60	−21 − 1	14.91	37.61	−17 +10	58.92	38.89	+13 + 7
21	31.39	22.36	− 4 − 8	26.34	31.86	−22 + 3	14.43	37.73	− 9 +12	58.39	38.84	+17 + 2
22	31.36	22.70	−12 − 6	26.04	32.12	−19 + 7	13.95	37.85	+ 1 +12	57.87	38.78	+16 − 3
23	31.32	23.04	−18 − 4	25.73	32.37	−13 +10	13.46	37.97	+10 +10	57.35	38.72	+12 − 8
24	31.27	23.38	−22 0	25.41	32.62	− 4 +12	12.97	38.08	+16 + 5	56.83	38.65	+ 4 −11
25	31.22	23.71	−21 + 4	25.09	32.87	+ 6 +10	12.48	38.18	+18 0	56.31	38.58	− 4 −11
26	31.15	24.04	−17 + 8	24.76	33.11	+14 + 7	11.98	38.28	+16 − 6	55.80	38.50	−11 − 9
27	31.08	24.37	− 9 +11	24.42	33.35	+19 + 2	11.48	38.37	+10 −10	55.28	38.41	−15 − 5
28	30.99	24.70	+ 1 +11	24.08	33.59	+19 − 3	10.98	38.46	+ 2 −12	54.77	38.32	−15 − 1
29	30.90	25.03	+10 + 9	23.73	33.82	+15 − 8	10.47	38.54	− 6 −11	54.26	38.22	−11 + 3
30	30.80	25.36	+17 + 5	23.37	34.05	+ 7 −11	9.96	38.62	−12 − 8	53.75	38.11	− 4 + 6
31	30.69	25.68	+20 0	23.01	34.27	− 1 −12	9.45	38.69	−15 − 4	53.25	38.00	+ 4 + 7
32	30.57	26.00	+18 − 6				8.93	38.76	−13 + 1	52.75	37.89	+12 + 7

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−87° 53′ 10″	27.111	−27.092	−87° 53′ 20″	27.146	−27.128	−87° 53′ 30″	27.182	−27.164
20	27.146	−27.128	30	27.182	−27.164	40	27.218	−27.200

$\alpha_{1934.0} = 14^h\ 53^m\ 48^s.12$ $\delta_{1934.0} = -87°\ 53'\ 2''.68$

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Se) Octantis 20 G. $6^m.52$

Tag	September AR.	September Dekl.	September ☾ Glieder	Oktober AR.	Oktober Dekl.	Oktober ☾ Glieder	November AR.	November Dekl.	November ☾ Glieder	Dezember AR.	Dezember Dekl.	Dezember ☾ Glieder
	14^h53^m	$-87°53'$	in $0^s.01$ | $0''.01$	14^h53^m	$-87°53'$	in $0^s.01$ | $0''.01$	14^h53^m	$-87°53'$	in $0^s.01$ | $0''.01$	14^h53^m	$-87°53'$	in $0^s.01$ | $0''.01$
1	52.75	37.89	+12 + 7	40.36	32.11	+19 0	35.89	22.92	− 1 − 8	41.95	13.93	−19 − 3
2	52.25	37.77	+17 + 5	40.06	31.85	+17 − 4	35.92	22.60	− 9 − 7	42.32	13.67	−21 + 1
3	51.76	37.64	+19 + 2	39.77	31.59	+11 − 7	35.97	22.29	−15 − 5	42.70	13.41	−20 + 5
4	51.27	37.51	+18 − 2	39.49	31.32	+ 4 − 8	*)36.03	21.97	−19 − 2	43.10	13.15	−15 + 9
5	50.79	37.38	+14 − 5	39.22	31.05	− 3 − 8	36.10	21.65	−20 + 2	43.50	12.90	− 7 +11
6	50.31	37.24	+ 8 − 7	38.96	30.78	−11 − 7	36.18	21.34	−17 + 6	43.91	12.65	+ 2 +11
7	49.84	37.09	+ 1 − 8	38.71	30.50	−17 − 4	36.27	21.02	−11 +10	44.33	12.41	+10 + 9
8	49.37	36.94	− 7 − 8	38.46	30.22	−20 0	36.38	20.71	− 3 +11	44.76	12.17	+16 + 5
9	48.91	36.78	−14 − 6	38.23	29.94	−20 + 4	36.49	20.39	+ 6 +10	45.20	11.93	+18 0
10	48.45	36.62	−19 − 3	38.00	29.66	−16 + 8	36.62	20.08	+13 + 7	45.65	11.70	+16 − 6
11	48.00	36.45	−21 + 1	37.79	29.37	− 9 +10	36.76	19.77	+18 + 2	46.11	11.48	+10 −10
12	47.55	36.28	−19 + 6	37.59	29.08	0 +11	36.91	19.46	+18 − 3	46.58	11.26	+ 1 −11
13	47.11	36.10	−14 +10	37.40	28.79	+ 8 + 9	37.07	19.15	+13 − 7	47.05	11.04	− 7 −10
14	46.67	35.92	− 6 +11	37.22	28.49	+15 + 6	37.25	18.84	+ 6 −10	47.53	10.82	−13 − 7
15	46.24	35.73	+ 3 +11	37.05	28.19	+18 + 1	37.43	18.53	− 3 −11	48.02	10.61	−16 − 3
16	45.82	35.53	+11 + 9	36.89	27.89	+16 − 4	37.63	18.23	−11 − 9	48.53	10.41	−14 + 2
17	45.40	35.33	+16 + 4	36.75	27.59	+10 − 8	37.84	17.92	−16 − 5	49.05	10.21	− 9 + 6
18	44.99	35.13	+17 − 1	36.61	27.29	+ 1 −10	38.07	17.62	−16 − 1	49.57	10.01	− 1 + 8
19	44.59	34.92	+13 − 6	36.48	26.98	− 7 −10	38.30	17.32	−13 + 4	50.10	9.82	+ 7 + 8
20	44.19	34.71	+ 7 − 9	36.37	26.68	−13 − 7	38.54	17.02	− 6 + 7	50.63	9.64	+14 + 6
21	43.80	34.50	− 2 −11	36.26	26.37	−17 − 3	38.80	16.73	+ 2 + 8	51.17	9.46	+18 + 3
22	43.42	34.28	−10 −10	36.17	26.06	−15 + 1	39.07	16.44	+10 + 8	51.72	9.28	+19 0
23	43.05	34.05	−15 − 6	36.09	25.75	−10 + 5	39.34	16.15	+16 + 6	52.27	9.11	+16 − 4
24	42.69	33.82	−16 − 2	36.02	25.44	− 3 + 8	39.63	15.86	+19 + 2	52.83	8.95	+11 − 6
25	42.33	33.59	−13 + 2	35.96	25.12	+ 5 + 8	39.93	15.58	+18 − 1	53.40	8.79	+ 4 − 8
26	41.98	33.36	− 7 + 6	35.92	24.81	+13 + 7	40.24	15.30	+15 − 5	53.98	8.63	− 3 − 8
27	41.64	33.12	+ 1 + 7	35.88	24.50	+17 + 4	40.56	15.02	+ 9 − 7	54.57	8.48	−11 − 7
28	41.30	32.87	+ 9 + 7	35.86	24.18	+19 + 1	40.89	14.74	+ 1 − 8	55.16	8.33	−17 − 4
29	40.98	32.62	+15 + 6	35.85	23.87	+17 − 3	41.23	14.47	− 6 − 8	55.75	8.19	−20 0
30	40.67	32.37	+19 + 3	35.85	23.55	+13 − 6	41.59	14.20	−13 − 6	56.35	8.06	−21 + 4
31	40.36	32.11	+19 0	35.86	23.24	+ 7 − 8	41.95	13.93	−19 − 3	56.96	7.93	−18 + 8
32				35.89	22.92	− 1 − 8				57.57	7.81	−11 +11

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−87° 53′ 0″	27.075	−27.057	−87° 53′ 10″	27.111	−27.092	−87° 53′ 30″	27.182	−27.164
10	27.111	−27.092	20	27.146	−27.128	40	27.218	−27.200

$\alpha_{1934.0} = 14^h\ 53^m\ 48^s.12$ $\delta_{1934.0} = -87°\ 53'\ 2''.68$

*) Tag der doppelten unteren Kulmination: Nov. 4.

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Sf) Octantis 26 G. $6^m.13$

Tag	Januar AR.	Januar Dekl.	Januar ☾ Glieder		Februar AR.	Februar Dekl.	Februar ☾ Glieder		März AR.	März Dekl.	März ☾ Glieder		April AR.	April Dekl.	April ☾ Glieder	
	$16^h 35^m$	−86° 14′	in $0^s.01$	in $0''.01$	$16^h 35^m$	−86° 14′	in $0^s.01$	in $0''.01$	$16^h 35^m$	−86° 14′	in $0^s.01$	in $0''.01$	$16^h 36^m$	−86° 14′	in $0^s.01$	in $0''.01$
	s	"			s	"			s	"			s	"		
1	37.89	62.21	+ 8	+ 5	48.20	56.77	+ 4	− 7	59.47	55.95	+ 1	− 9	11.57	59.50	−13	− 2
2	38.16	61.97	+ 9	+ 2	48.58	56.67	− 1	− 9	59.88	55.99	− 4	− 9	11.93	59.68	−13	+ 3
3	38.44	61.73	+ 8	− 2	48.97	56.58	− 6	− 9	60.29	56.04	− 8	− 8	12.29	59.87	−10	+ 7
4	38.72	61.50	+ 5	− 6	49.36	56.49	−10	− 7	60.70	56.09	−12	− 4	12.64	60.06	− 5	+10
5	39.00	61.27	+ 1	− 8	49.75	56.41	−13	− 3	61.11	56.15	−13	0	12.99	60.25	0	+11
6	39.29	61.04	− 4	− 9	50.14	56.33	−14	+ 2	61.52	56.21	−12	+ 5	13.34	60.45	+ 6	+ 9
7	39.59	60.82	− 8	− 8	50.54	56.25	−12	+ 7	61.92	56.28	− 9	+ 9	13.68	60.65	+10	+ 5
8	39.89	60.60	−12	− 5	50.93	56.18	− 8	+10	62.32	56.36	− 4	+11	14.02	60.86	+12	0
9	40.19	60.39	−14	− 1	51.33	56.12	− 2	+11	62.73	56.44	+ 2	+11	14.36	61.07	+11	− 5
10	40.49	60.18	−14	+ 4	51.73	56.06	+ 4	+10	63.13	56.52	+ 7	+ 8	14.69	61.28	+ 8	− 9
11	40.80	59.98	−11	+ 9	52.13	56.01	+ 9	+ 6	63.53	56.61	+11	+ 3	15.02	61.50	+ 3	−11
12	41.12	59.78	− 5	+11	52.53	55.96	+11	+ 1	63.93	56.70	+12	− 2	15.34	61.72	− 2	−11
13	41.44	59.59	+ 1	+11	52.93	55.92	+11	− 4	64.33	56.80	+10	− 7	15.66	61.94	− 6	− 8
14	41.77	59.40	+ 7	+ 8	53.34	55.88	+ 9	− 9	64.73	56.90	+ 6	−10	15.98	62.17	− 8	− 4
15	42.10	59.21	+11	+ 4	53.74	55.85	+ 4	−11	65.13	57.01	+ 1	−11	16.29	62.40	− 8	+ 1
16	42.43	59.03	+13	− 2	54.15	55.82	− 1	−11	65.52	57.12	− 4	−10	16.60	62.64	− 6	+ 5
17	42.77	58.85	+11	− 7	54.55	55.80	− 5	− 9	65.92	57.24	− 7	− 6	16.91	62.88	− 3	+ 8
18	43.11	58.68	+ 8	−10	54.96	55.78	− 7	− 5	66.31	57.36	− 8	− 2	17.22	63.12	+ 1	+ 9
19	43.45	58.51	+ 3	−12	55.37	55.77	− 8	0	66.70	57.49	− 7	+ 3	17.52	63.36	+ 5	+ 9
20	43.80	58.35	− 2	−11	55.78	55.77	− 6	+ 4	67.09	57.62	− 5	+ 6	17.82	63.60	+ 8	+ 7
21	44.15	58.19	− 5	− 7	56.19	55.77	− 3	+ 7	67.47	57.75	− 1	+ 9	18.11	63.85	+ 9	+ 3
22	44.50	58.04	− 7	− 3	56.60	55.77	+ 1	+ 9	67.86	57.89	+ 3	+ 9	18.40	64.10	+ 9	0
23	44.86	57.89	− 7	+ 2	57.01	55.78	+ 4	+ 9	68.24	58.03	+ 6	+ 8	18.69	64.35	+ 7	− 4
24	45.22	57.75	− 5	+ 6	57.42	55.80	+ 7	+ 7	68.62	58.18	+ 9	+ 5	18.97	64.61	+ 4	− 7
25	45.58	57.61	− 2	+ 8	57.83	55.82	+ 9	+ 4	69.00	58.33	+10	+ 2	19.24	64.87	0	− 9
26	45.95	57.47	+ 2	+ 9	58.24	55.84	+10	+ 1	69.38	58.49	+ 9	− 2	19.51	65.13	− 5	− 9
27	46.32	57.34	+ 5	+ 8	58.65	55.87	+ 8	− 3	69.75	58.65	+ 6	− 5	19.78	65.40	− 9	− 7
28	46.69	57.22	+ 8	+ 6	59.06	55.91	+ 5	− 7	70.12	58.81	+ 3	− 8	20.05	65.66	−12	− 3
29	47.06	57.10	+ 9	+ 3	59.47	55.95	+ 1	− 9	70.49	58.98	− 2	− 9	20.31	65.93	−13	+ 1
30	47.44	56.98	+ 9	− 1					70.85	59.15	− 6	− 8	20.56	66.20	−11	+ 6
31	47.82	56.87	+ 7	− 4					71.21	59.32	−10	− 6	20.81	66.48	− 7	+ 9
32	48.20	56.77	+ 4	− 7					71.57	59.50	−13	− 2				

δ	$\sec\delta$	$\operatorname{tg}\delta$	δ	$\sec\delta$	$\operatorname{tg}\delta$
−86° 14′ 50″	15.278	−15.246	−86° 15′ 0″	15.290	−15.257
60	15.290	−15.257	10	15.301	−15.268

$\alpha_{1934.0} = 16^h\ 35^m\ 53^s.42$ $\delta_{1934.0} = -86°\ 15'\ 4''.68$

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Sf) Octantis 26 G. $6^m.13$

Tag	Mai AR.	Mai Dekl.	Mai ☾ Glieder	Juni AR.	Juni Dekl.	Juni ☾ Glieder
	16^h36^m	$-86°15'$	in $0^s.01$ | $0''.01$	16^h36^m	$-86°15'$	in $0^s.01$ | $0''.01$
1	20.81	6.48	− 7 + 9	{26.14 / 26.23}	{15.84 / 16.16}	{+11 + 4 / +13 − 1}
2	21.06	6.76	− 2 +11	26.31	16.47	+11 − 7
3	21.30	7.04	+ 4 +10	26.39	16.79	+ 8 −10
4	21.54	7.32	+ 9 + 7	26.46	17.11	+ 3 −12
5	21.77	7.61	+12 + 2	26.52	17.42	− 2 −11
6	22.00	7.89	+12 − 4	26.58	17.74	− 6 − 7
7	22.22	8.18	+ 9 − 8	26.63	18.06	− 8 − 3
8	22.44	8.47	+ 5 −11	26.68	18.37	− 8 + 2
9	22.65	8.76	0 −11	26.72	18.69	− 5 + 6
10	22.86	9.05	− 5 − 9	26.76	19.00	− 2 + 9
11	23.06	9.35	− 8 − 5	26.79	19.31	+ 2 + 9
12	23.26	9.65	− 9 − 1	26.82	19.63	+ 6 + 8
13	23.45	9.95	− 7 + 4	26.84	19.94	+ 8 + 6
14	23.64	10.25	− 4 + 7	26.85	20.25	+ 9 + 2
15	23.83	10.55	0 + 9	26.86	20.56	+ 9 − 1
16	24.01	10.86	+ 4 + 9	26.87	20.87	+ 6 − 5
17	24.18	11.16	+ 7 + 8	26.87	21.18	+ 3 − 8
18	24.35	11.47	+ 9 + 5	26.86	21.49	− 2 − 9
19	24.51	11.77	+ 9 + 1	26.84	21.79	− 7 − 8
20	24.67	12.08	+ 8 − 3	26.82	22.10	−11 − 6
21	24.82	12.39	+ 5 − 6	26.80	22.41	−14 − 2
22	24.97	12.70	+ 1 − 8	26.77	22.71	−14 + 3
23	25.11	13.01	− 4 − 9	26.73	23.01	−12 + 7
24	25.24	13.33	− 8 − 8	26.69	23.31	− 8 +10
25	25.37	13.64	−12 − 5	26.64	23.60	− 2 +11
26	25.50	13.95	−14 0	26.59	23.90	+ 4 +10
27	25.62	14.27	−13 + 4	26.53	24.19	+ 9 + 6
28	25.73	14.58	−10 + 8	26.47	24.48	+12 + 1
29	25.84	14.89	− 5 +11	26.40	24.77	+12 − 5
30	25.95	15.21	+ 1 +11	26.32	25.06	+ 9 − 9
31	26.05	15.52	+ 7 + 8	26.24	25.35	+ 5 −12
32	{26.14 / 26.23}	{15.84 / 16.16}	{+11 + 4 / +13 − 1}			

Tag	Juli AR.	Juli Dekl.	Juli ☾ Glieder	August AR.	August Dekl.	August ☾ Glieder
	16^h36^m	$-86°15'$	in $0^s.01$ | $0''.01$	16^h36^m	$-86°15'$	in $0^s.01$ | $0''.01$
1	26.24	25.35	+ 5 −12	21.28	32.66	− 7 − 2
2	26.16	25.63	0 −11	21.05	32.84	− 6 + 3
3	26.07	25.91	− 5 − 9	20.82	33.01	− 3 + 7
4	25.97	26.19	− 7 − 5	20.58	33.17	0 + 9
5	25.87	26.47	− 8 0	20.34	33.33	+ 4 + 9
6	25.76	26.74	− 6 + 5	20.10	33.49	+ 8 + 7
7	25.65	27.01	− 2 + 8	19.85	33.64	+10 + 5
8	25.53	27.28	+ 1 + 9	19.60	33.78	+10 + 1
9	25.41	27.54	+ 5 + 9	19.34	33.92	+ 9 − 3
10	25.28	27.80	+ 8 + 7	19.08	34.05	+ 6 − 6
11	25.15	28.06	+10 + 3	18.82	34.18	+ 2 − 8
12	25.01	28.31	+10 0	18.56	34.31	− 2 − 9
13	24.87	28.56	+ 8 − 4	18.29	34.43	− 7 − 8
14	24.72	28.81	+ 4 − 7	18.02	34.54	−11 − 5
15	24.57	29.06	0 − 9	17.75	34.65	−13 − 1
16	24.41	29.30	− 5 − 9	17.48	34.76	−14 + 4
17	24.25	29.54	− 9 − 7	17.20	34.86	−12 + 8
18	24.08	29.77	−13 − 4	16.92	34.95	− 7 +11
19	23.91	30.00	−14 + 1	16.64	35.04	− 2 +11
20	23.73	30.23	−13 + 5	16.36	35.12	+ 4 +10
21	23.55	30.46	−10 + 9	16.07	35.20	+ 8 + 6
22	23.37	30.68	− 5 +11	15.79	35.27	+10 0
23	23.18	30.90	+ 1 +11	15.50	35.34	+10 − 5
24	22.98	31.11	+ 7 + 8	15.21	35.40	+ 7 − 9
25	22.78	31.32	+10 + 3	14.92	35.46	+ 3 −11
26	22.58	31.52	+11 − 2	14.62	35.51	− 2 −11
27	22.38	31.72	+10 − 7	14.33	35.55	− 6 − 8
28	22.17	31.92	+ 6 −11	14.03	35.59	− 7 − 4
29	21.95	32.11	+ 2 −12	13.73	35.62	− 7 + 1
30	21.73	32.30	− 3 −10	13.43	35.65	− 5 + 5
31	21.51	32.48	− 6 − 6	13.13	35.67	− 1 + 8
32	21.28	32.66	− 7 − 2	12.83	35.69	+ 3 + 9

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−86° 15′ 0″	15.290	−15.257	−86° 15′ 10″	15.301	−15.268	−86° 15′ 30″	15.324	−15.291
10	15.301	−15.268	20	15.312	−15.280	40	15.335	−15.303

$\alpha_{1934.0} = 16^h\ 35^m\ 53^s.42 \qquad \delta_{1934.0} = -86°\ 15'\ 4''.68$

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Sf) Octantis 26 G. $6^m.13$

Tag	September			Oktober			November			Dezember		
	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder
	$16^h 36^m$	— 86° 15′	in $0^s.01$ | $0''.01$	$16^h 35^m$	— 86° 15′	in $0^s.01$ | $0''.01$	$16^h 35^m$	— 86° 15′	n $0^s.01$ | $0''.01$	$16^h 35^m$	— 86° 15′	in $0^s.01$ | $0''.01$
1	$12^s.83$	$35''.69$	+ 3 + 9	$64^s.08$	$33''.44$	+11 + 4	$57^s.85$	$26''.31$	+ 3 − 8	$57^s.08$	$16''.94$	− 9 − 7
2	12.53	35.70	+ 7 + 8	63.82	33.28	+11 0	57.73	26.02	− 1 − 9	57.16	16.63	−12 − 3
3	12.23	35.70	+10 + 6	63.56	33.11	+ 9 − 4	57.62	25.73	− 6 − 8	57.24	16.31	−13 + 1
4	11.93	35.70	+11 + 2	63.30	32.94	+ 6 − 7	57.51	25.43	−10 − 6	57.33	15.99	−12 + 5
5	11.63	35.69	+10 − 2	63.05	32.76	+ 2 − 8	57.41	25.13	−12 − 2	57.43	15.67	− 9 + 9
6	11.33	35.68	+ 8 − 5	62.80	32.58	− 3 − 9	57.32	24.83	−13 + 2	57.54	15.36	− 4 +11
7	11.03	35.66	+ 4 − 8	62.55	32.39	− 7 − 8	57.23	24.53	−11 + 7	57.65	15.04	+ 1 +10
8	10.73	35.63	0 − 9	62.31	32.20	−11 − 5	57.15	24.22	− 7 +10	57.77	14.73	+ 7 + 8
9	10.43	35.60	− 5 − 9	62.07	32.00	−12 − 1	57.07	23.92	− 2 +11	57.89	14.42	+10 + 3
10	10.13	35.56	− 9 − 6	61.83	31.80	−12 + 4	57.00	23.61	+ 4 + 9	58.02	14.11	+11 − 2
11	9.83	35.52	−12 − 3	61.60	31.59	−10 + 8	56.94	23.30	+ 8 + 6	58.16	13.81	+10 − 7
12	9.53	35.47	−13 + 1	61.37	31.38	− 5 +11	56.88	22.99	+11 + 1	58.30	13.50	+ 6 −10
13	9.23	35.41	−12 + 6	61.15	31.16	0 +11	56.83	22.68	+11 − 4	58.45	13.20	+ 1 −11
14	8.93	35.35	− 9 + 9	60.93	30.94	+ 5 + 9	56.79	22.36	+ 8 − 8	58.61	12.90	− 4 −10
15	8.63	35.28	− 4 +11	60.72	30.72	+ 9 + 5	56.75	22.05	+ 3 −11	58.77	12.60	− 7 − 6
16	8.34	35.21	+ 2 +10	60.51	30.49	+10 − 1	56.72	21.74	− 2 −11	58.94	12.30	− 8 − 1
17	8.04	35.13	+ 7 + 7	60.30	30.26	+ 9 − 6	56.70	21.42	− 6 − 8	59.12	12.01	− 7 + 4
18	7.74	35.05	+10 + 3	60.10	30.02	+ 6 −10	56.68	21.10	− 9 − 4	59.30	11.72	− 4 + 7
19	7.44	34.96	+10 − 3	59.91	29.78	+ 1 −11	56.67	20.78	− 9 + 1	59.49	11.43	0 + 9
20	7.15	34.87	+ 8 − 7	59.72	29.53	− 4 −10	56.67	20.46	− 6 + 5	59.69	11.14	+ 4 + 9
21	6.87	34.77	+ 4 −11	59.53	29.28	− 7 − 7	56.67	20.14	− 3 + 8	59.89	10.86	+ 8 + 7
22	6.58	34.66	− 1 −11	59.35	29.03	− 9 − 2	56.68	19.82	+ 2 + 9	60.09	10.58	+10 + 4
23	6.29	34.54	− 5 − 9	59.18	28.77	− 8 + 3	56.70	19.50	+ 6 + 8	60.30	10.30	+10 0
24	6.01	34.42	− 8 − 5	59.01	28.51	− 5 + 6	56.72	19.18	+ 9 + 6	60.52	10.02	+ 9 − 3
25	5.73	34.30	− 8 0	58.84	28.25	− 1 + 9	56.75	18.86	+11 + 3	60.74	9.75	+ 6 − 6
26	5.44	34.17	− 6 + 4	58.68	27.98	+ 4 + 9	56.79	18.54	+10 − 1	60.97	9.48	+ 2 − 8
27	5.16	34.03	− 3 + 7	58.53	27.71	+ 8 + 8	56.83	18.22	+ 8 − 5	61.21	9.21	− 3 − 9
28	4.89	33.89	+ 1 + 9	58.38	27.44	+10 + 5	56.88	17.90	+ 5 − 7	61.45	8.95	− 7 − 7
29	4.62	33.74	+ 5 + 9	58.24	27.16	+11 + 1	56.94	17.58	0 − 8	61.69	8.69	−11 − 5
30	$4^s.35$	33.59	+ 9 + 7	58.10	26.88	+10 − 3	*)57.01	17.26	− 5 − 8	61.94	8.44	−13 − 1
31	4.08	33.44	+11 + 4	57.97	26.60	+ 7 − 6	57.08	16.94	− 9 − 7	62.20	8.19	−13 + 4
32				57.85	26.31	+ 3 − 8				62.46	7.94	−11 + 8

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−86° 15′ 0″	15.290	−15.257	−86° 15′ 20″	15.312	−15.280	−86° 15′ 30″	15.324	−15.291
10	15.301	−15.268	30	15.324	−15.291	40	15.335	−15.303

$\alpha_{1934.0} = 16^h\ 35^m\ 53^s.42$ $\delta_{1934.0} = -86°\ 15'\ 4''.68$

*) Tag der doppelten unteren Kulmination: Nov. 30.

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Sg) χ Octantis $5^{m}.22$

Tag	Januar				Februar				März				April			
	AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder	
	$18^{h}15^{m}$	— 87° 39′	in $0^{s}.01$	in $0''.01$	$18^{h}16^{m}$	— 87° 39′	in $0^{s}.01$	in $0''.01$	$18^{h}16^{m}$	— 87° 39′	in $0^{s}.01$	in $0''.01$	$18^{h}16^{m}$	— 87° 39′	in $0^{s}.01$	in $0''.01$
	s	"			s	"			s	"			s	"		
1	54.17	41.74	+8	+8	5.04	32.59	+10	−6	20.61	27.23	+7	−8	40.49	25.52	−17	−6
2	54.38	41.41	+11	+5	5.52	32.34	+4	−9	21.23	27.10	+1	−10	41.14	25.54	−20	−1
3	54.60	41.08	+13	+1	6.01	32.10	−3	−10	21.85	26.98	−7	−10	41.78	25.57	−19	+3
4	54.83	40.75	+11	−4	6.50	31.86	−11	−10	22.47	26.86	−14	−8	42.42	25.60	−14	+8
5	55.08	40.43	+7	−8	7.00	31.63	−17	−7	23.10	26.75	−19	−4	43.06	25.64	−6	+10
6	55.33	40.11	+1	−10	7.51	31.40	−21	−3	23.73	26.64	−21	0	43.70	25.68	+3	+11
7	55.59	39.79	−7	−10	8.02	31.17	−21	+2	24.36	26.54	−19	+5	44.33	25.72	+11	+8
8	55.86	39.47	−15	−9	8.54	30.95	−17	+7	25.00	26.44	−12	+9	44.97	25.77	+17	+4
9	56.15	39.16	−20	−6	9.07	30.73	−10	+10	25.63	26.34	−4	+11	45.60	25.82	+19	−2
10	56.44	38.84	−22	−1	9.60	30.51	0	+11	26.27	26.25	+5	+10	46.23	25.88	+16	−7
11	56.74	38.53	−20	+5	10.14	30.30	+9	+9	26.91	26.17	+13	+7	46.86	25.94	+11	−10
12	57.05	38.22	−14	+9	10.68	30.09	+16	+5	27.55	26.09	+18	+2	47.48	26.01	+3	−11
13	57.37	37.91	−5	+11	11.23	29.89	+19	0	28.19	26.02	+18	−3	48.10	26.08	−4	−10
14	57.70	37.60	+5	+10	11.78	29.69	+18	−5	28.84	25.95	+14	−8	48.72	26.16	−10	−6
15	58.04	37.30	+13	+7	12.34	29.50	+13	−9	29.48	25.88	+8	−10	49.34	26.24	−13	−2
16	58.39	37.00	+19	+3	12.90	29.31	+6	−11	30.13	25.82	+1	−10	49.95	26.33	−12	+3
17	58.74	36.70	+21	−2	13.47	29.12	−1	−10	30.78	25.77	−6	−8	50.56	26.42	−9	+7
18	59.10	36.40	+18	−7	14.04	28.94	−7	−7	31.43	25.72	−11	−4	51.17	26.52	−4	+9
19	59.47	36.11	+12	−10	14.62	28.76	−11	−3	32.07	25.67	−12	0	51.77	26.62	+2	+10
20	59.85	35.82	+4	−11	15.20	28.59	−11	+2	32.72	25.63	−11	+5	52.37	26.72	+7	+9
21	60.24	35.53	−3	−9	15.79	28.42	−9	+6	33.37	25.60	−7	+8	52.96	26.83	+11	+6
22	60.64	35.25	−8	−5	16.38	28.26	−5	+9	34.02	25.57	−2	+10	53.55	26.94	+13	+3
23	61.05	34.97	−11	−1	16.97	28.10	0	+10	34.67	25.54	+4	+10	54.14	27.06	+13	−1
24	61.46	34.69	−11	+4	17.57	27.94	+6	+9	35.32	25.52	+9	+8	54.73	27.18	+10	−5
25	61.88	34.42	−8	+7	18.17	27.79	+10	+7	35.97	25.50	+12	+5	55.31	27.30	+5	−8
26	62.31	34.15	−3	+9	18.78	27.64	+13	+4	36.61	25.49	+14	+1	55.88	27.43	−2	−10
27	62.75	33.88	+2	+10	19.39	27.50	+14	0	37.26	25.48	+13	−3	56.45	27.57	−9	−10
28	63.19	33.61	+7	+9	20.00	27.36	+12	−4	37.91	25.48	+9	−7	57.02	27.71	−15	−7
29	63.64	33.35	+11	+6	20.61	27.23	+7	−8	38.56	25.48	+3	−9	57.59	27.85	−19	−3
30	64.10	33.09	+13	+2					39.20	25.49	−4	−10	58.15	27.99	−20	+1
31	64.57	32.84	+13	−2					39.85	25.50	−11	−9	58.70	28.14	−16	+6
32	65.04	32.59	+10	−6					40.49	25.52	−17	−6				

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−87° 39′ 20″	24.446	−24.425	−87° 39′ 30″	24.475	−24.454	−87° 39′ 40″	24.504	−24.483
30	24.475	−24.454	40	24.504	−24.483	50	24.533	−24.513

$\alpha_{1934.0} = 18^{h}\ 16^{m}\ 18^{s}.79$ $\delta_{1934.0} = -87°\ 39'\ 37''.29$

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Sg) χ Octantis $5^{m}.22$

Tag	Mai AR.	Mai Dekl.	Mai ☾ Glieder	Juni AR.	Juni Dekl.	Juni ☾ Glieder	Juli AR.	Juli Dekl.	Juli ☾ Glieder	August AR.	August Dekl.	August ☾ Glieder
	$18^h 16^m$	−87° 39′	in $0.^s01$ | $0.''01$	$18^h 17^m$	−87° 39′	in $0.^s01$ | $0.''01$	$18^h 17^m$	−87° 39′	in $0.^s01$ | $0.''01$	$18^h 17^m$	−87° 39′	in $0.^s01$ | $0.''01$
1	$58.^s70$	$28.''14$	−16 + 6	$12.^s92$	$34.''61$	+14 + 7	$19.^s70$	$43.''41$	+14 − 9	$17.^s63$	$52.''31$	− 9 − 4
2	59.25	28.30	− 9 + 9	13.27	34.87	+19 + 3	19.77	43.71	+ 7 −11	17.42	52.57	−11 + 1
3	59.80	28.46	0 +11	13.61	35.13	+20 − 2	19.83	44.01	− 1 −10	17.20	52.83	− 9 + 5
4	60.34	28.62	+ 9 + 9	13.94	35.39	+17 − 7	19.89	44.31	− 7 − 7	16.97	53.09	− 5 + 8
5	60.87	28.79	+16 + 6	14.26	35.66	+11 −10	19.94	44.61	−11 − 2	16.73	53.34	0 +10
6	61.40	28.96	+19 + 1	14.58	35.93	+ 3 −11	19.97	44.91	−11 + 3	16.48	53.59	+ 6 +10
7	61.92	29.14	+19 − 5	14.88	36.20	− 4 − 9	20.00	45.21	− 9 + 7	16.23	53.84	+11 + 8
8	62.43	29.32	+14 − 9	15.18	36.47	−10 − 5	20.02	45.50	− 4 + 9	15.97	54.08	+14 + 4
9	62.94	29.50	+ 7 −11	15.47	36.74	−12 0	20.03	45.80	+ 2 +10	15.70	54.32	+14 + 1
10	63.45	29.68	− 1 −10	15.75	37.01	−11 + 4	20.03	46.10	+ 7 + 9	15.42	54.56	+13 − 4
11	63.95	29.87	− 8 − 8	16.03	37.29	− 8 + 8	20.01	46.40	+12 + 6	15.13	54.79	+ 9 − 7
12	64.44	30.06	−12 − 3	16.30	37.57	− 3 +10	19.99	46.69	+14 + 3	14.84	55.02	+ 2 − 9
13	64.93	30.26	−13 + 1	16.55	37.85	+ 3 +10	19.96	46.99	+13 − 1	14.54	55.24	− 5 −10
14	65.41	30.46	−11 + 6	16.80	38.14	+ 8 + 8	19.92	47.28	+11 − 5	14.23	55.46	−12 − 9
15	65.89	30.66	− 6 + 9	17.04	38.42	+12 + 5	19.87	47.57	+ 6 − 8	13.91	55.68	−18 − 6
16	66.36	30.87	− 1 +10	17.27	38.71	+13 + 2	19.81	47.87	− 1 −10	13.59	55.89	−22 − 1
17	66.82	31.08	+ 5 +10	17.49	38.99	+12 − 3	19.74	48.16	− 9 −10	13.26	56.10	−21 + 3
18	67.27	31.29	+10 + 7	17.70	39.28	+ 9 − 6	19.66	48.45	−16 − 8	12.92	56.31	−17 + 7
19	67.72	31.51	+12 + 4	17.90	39.57	+ 3 − 9	19.58	48.74	−21 − 4	12.57	56.51	− 9 +10
20	68.16	31.73	+13 0	18.10	39.86	− 4 −10	19.49	49.02	−22 0	12.21	56.71	0 +10
21	68.60	31.95	+11 − 4	18.28	40.15	−12 − 9	19.38	49.31	−20 + 5	11.85	56.90	+ 8 + 8
22	69.03	32.18	+ 7 − 8	18.45	40.44	−18 − 7	19.26	49.59	−14 + 9	11.48	57.09	+15 + 4
23	69.45	32.41	0 −10	18.61	40.74	−22 − 2	19.14	49.87	− 5 +10	11.11	57.27	+17 − 1
24	69.87	32.64	− 7 −10	18.77	41.03	−21 + 2	19.01	50.15	+ 4 +10	10.73	57.45	+16 − 6
25	70.28	32.88	−14 − 9	18.92	41.33	−17 + 7	18.87	50.43	+13 + 7	10.35	57.63	+11 −10
26	70.68	33.12	−19 − 5	{ 19.06 { 19.19	41.63 41.92	− 9 +10 } 0 +11 }	18.72	50.71	+18 + 2	9.96	57.80	+ 4 −11
27	71.07	33.36	−21 0	19.31	42.22	+ 9 + 9	18.56	50.98	+19 − 3	9.56	57.97	− 3 − 9
28	71.45	33.61	−19 + 5	19.42	42.52	+17 + 5	18.39	51.25	+16 − 8	9.16	58.13	− 8 − 6
29	71.83	33.86	−13 + 9	19.52	42.81	+20 0	18.22	51.52	+10 −10	8.75	58.29	−11 − 1
30	72.20	34.11	− 4 +10	19.62	43.11	+19 − 5	18.03	51.79	+ 2 −10	8.33	58.44	−10 + 4
31	72.56	34.36	+ 5 +10	19.70	43.41	+14 − 9	17.83	52.05	− 5 − 8	7.91	58.59	− 7 + 7
32	72.92	34.61	+14 + 7				17.63	52.31	− 9 − 4	7.48	58.73	− 1 +10

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−87° 39′ 20″	24.446	−24.425	−87° 39′ 30″	24.475	−24.454	−87° 39′ 50″	24.533	−24.513
30	24.475	−24.454	40	24.504	−24.483	60	24.562	−24.542

$\alpha_{1934.0} = 18^h\ 16^m\ 18.^s79$ $\delta_{1934.0} = -87°\ 39'\ 37.''29$

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Sg) χ Octantis $5^m.22$

Tag	September				Oktober				November				Dezember			
	AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder	
	18^h16^m	—87° 39′	in $0^s.01$	in $0''.01$	18^h16^m	—87° 39′	in $0^s.01$	in $0''.01$	18^h16^m	—87° 39′	in $0^s.01$	in $0''.01$	18^h16^m	—87° 39′	in $0^s.01$	in $0''.01$
1	67.48	58.73	−1	+10	53.15	60.42	+13	+7	38.96	56.62	+10	−7	31.05	48.51	−8	−9
2	67.05	58.87	+5	+10	52.65	60.39	+15	+4	38.58	56.41	+4	−9	30.93	48.19	−15	−7
3	66.62	59.00	+10	+9	52.15	60.35	+15	0	38.20	56.19	−3	−10	30.82	47.87	−19	−4
4	66.18	59.13	+14	+6	51.65	60.30	+13	−4	37.83	55.97	−10	−9	30.72	47.55	−20	+1
5	65.74	59.25	+15	+2	51.16	60.25	+8	−7	37.47	55.75	−16	−6	30.63	47.23	−18	+5
6	65.29	59.36	+14	−2	50.67	60.19	+1	−9	37.12	55.52	−19	−2	30.55	46.90	−13	+9
7	64.84	59.47	+11	−6	50.17	60.13	−6	−9	36.77	55.28	−19	+2	30.48	46.57	−4	+10
8	64.38	59.58	+6	−8	49.68	60.06	−12	−8	36.43	55.04	−16	+7	30.42	46.24	+5	+10
9	63.92	59.68	−1	−10	49.19	59.98	−17	−5	36.09	54.80	−9	+10	30.37	45.91	+13	+7
10	63.45	59.78	−9	−9	48.70	59.90	−20	0	35.77	54.55	0	+10	30.34	45.58	+17	+2
11	62.98	59.87	−15	−7	48.22	59.81	−18	+4	35.46	54.30	+8	+9	30.32	45.25	+18	−3
12	62.51	59.95	−20	−3	47.74	59.71	−14	+8	35.16	54.04	+15	+5	30.30	44.91	+15	−8
13	62.03	60.03	−21	+1	47.27	59.61	−6	+10	34.86	53.78	+18	0	30.30	44.58	+9	−10
14	61.56	60.10	−18	+6	46.79	59.50	+2	+10	34.57	53.52	+16	−5	30.31	44.25	+1	−10
15	61.08	60.17	−12	+9	46.32	59.39	+10	+7	34.29	53.25	+12	−9	30.32	43.91	−6	−8
16	60.60	60.23	−4	+10	45.85	59.27	+15	+3	34.02	52.98	+4	−11	30.35	43.57	−11	−4
17	60.11	60.28	+5	+9	45.38	59.15	+17	−2	33.75	52.70	−4	−10	30.39	43.23	−12	+1
18	59.62	60.33	+12	+6	44.92	59.02	+14	−7	33.50	52.42	−10	−7	30.44	42.89	−10	+5
19	59.13	60.37	+16	+1	44.46	58.88	+8	−10	33.26	52.14	−13	−2	30.50	42.55	−6	+9
20	58.63	60.41	+16	−4	44.01	58.74	+1	−11	33.02	51.86	−13	+3	30.57	42.21	+1	+10
21	58.14	60.44	+12	−9	43.56	58.59	−6	−9	32.79	51.57	−9	+7	30.65	41.87	+7	+10
22	57.65	60.46	+6	−11	43.11	58.44	−11	−5	32.57	51.28	−4	+9	30.74	41.54	+12	+7
23	57.15	60.48	−2	−10	42.67	58.28	−13	0	32.36	50.98	+3	+10	30.84	41.20	+15	+4
24	56.65	60.50	−8	−8	42.24	58.12	−11	+4	32.16	50.68	+9	+9	30.96	40.86	+15	0
25	56.15	60.51	−11	−3	41.81	57.95	−7	+8	31.97	50.38	+13	+6	31.08	40.52	+12	−4
26	55.65	60.51	−12	+2	41.38	57.77	−1	+10	31.79	50.07	+15	+2	*)31.21	40.19	+8	−7
27	55.15	60.50	−9	+6	40.96	57.59	+6	+10	31.62	49.76	+14	−2	31.36	39.85	+1	−9
28	54.65	60.49	−4	+9	40.55	57.41	+11	+8	31.47	49.45	+11	−5	31.52	39.51	−6	−10
29	54.15	60.47	+2	+10	40.14	57.22	+14	+5	31.32	49.14	+6	−8	31.68	39.18	−13	−8
30	53.65	60.45	+8	+9	39.74	57.02	+15	+1	31.18	48.82	−1	−9	31.86	38.85	−18	−5
31	53.15	60.42	+13	+7	39.35	56.82	+14	−3	31.05	48.51	−8	−9	32.05	38.51	−21	−1
32					38.96	56.62	+10	−7					32.24	38.18	−20	+3

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−87° 39′ 30″	24.475	−24.454	−87° 39′ 40″	24.504	−24.483	−87° 40′ 0″	24.562	−24.542
40	24.504	−24.483	50	24.533	−24.513	10	24.591	−24.571

$\alpha_{1934.0} = 18^h\ 16^m\ 18^s.79$ $\delta_{1934.0} = -87°\ 39'\ 37''.29$

*) Tag der doppelten unteren Kulmination: Dez. 26.

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Sh) σ Octantis $5^m.48$

Tag	Januar				Februar				März				April			
	AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder	
	$19^h 52^m$	— 89° 11′	in 0.01s	0.01″	$19^h 52^m$	— 89° 10′	in 0.01s	0.01″	$19^h 53^m$	— 89° 10′	in 0.01s	0.01″	$19^h 53^m$	— 89° 10′	in 0.01s	0.01″
1	21.65	13.98	+ 6	+ 9	31.83	62.90	+35	− 3	1.79	54.10	+32	− 5	50.01	47.57	−31	− 9
2	21.55	13.63	+21	+ 7	32.59	62.55	+27	− 7	3.14	53.83	+20	− 9	51.72	47.43	−47	− 6
3	21.48	13.28	+32	+ 3	33.38	62.21	+11	−10	4.52	53.56	+ 1	−11	53.43	47.30	−54	− 1
4	21.43	12.92	+34	− 1	34.19	61.86	−10	−11	5.91	53.30	−21	−10	55.15	47.17	−49	+ 4
5	21.42	12.57	+31	− 5	35.03	61.52	−31	−10	7.31	53.04	−40	− 8	56.87	47.04	−35	+ 8
6	21.43	12.21	+20	− 9	35.89	61.18	−49	− 7	8.73	52.78	−53	− 4	58.60	46.92	−12	+10
7	21.48	11.85	+ 1	−11	36.78	60.84	−58	− 2	10.17	52.53	−56	+ 1	60.33	46.80	+13	+10
8	21.56	11.49	−20	−11	37.69	60.51	−56	+ 3	11.62	52.28	−48	+ 6	62.07	46.69	+36	+ 7
9	21.66	11.13	−40	− 9	38.63	60.18	−43	+ 7	13.09	52.04	−29	+ 9	63.81	46.58	+50	+ 3
10	21.80	10.77	−55	− 5	39.59	59.85	−20	+10	14.57	51.80	− 4	+10	65.55	46.48	+53	− 2
11	21.96	10.40	−59	0	40.57	59.52	+ 7	+10	16.07	51.56	+21	+ 9	67.29	46.38	+45	− 7
12	22.15	10.04	−51	+ 5	41.57	59.20	+32	+ 8	17.58	51.33	+42	+ 5	69.04	46.29	+28	− 9
13	22.37	9.68	−33	+ 9	42.60	58.87	+49	+ 4	19.10	51.10	+52	+ 1	70.79	46.20	+ 7	−10
14	22.62	9.31	− 7	+10	43.64	58.55	+55	− 1	20.63	50.88	+51	− 4	72.53	46.12	−14	− 8
15	22.89	8.95	+21	+10	44.71	58.24	+50	− 5	22.18	50.66	+40	− 8	74.28	46.04	−29	− 4
16	23.20	8.59	+43	+ 7	45.80	57.92	+35	− 8	23.73	50.44	+20	− 9	76.04	45.97	−37	0
17	23.53	8.23	+57	+ 2	46.91	57.61	+15	− 9	25.30	50.23	0	− 9	77.79	45.90	−36	+ 4
18	23.89	7.87	+58	− 3	48.05	57.30	− 6	− 8	26.88	50.02	−19	− 6	79.54	45.84	−28	+ 8
19	*)24.28	7.51	+48	− 7	49.20	57.00	−22	− 5	28.47	49.82	−31	− 2	81.29	45.78	−14	+10
20	24.70	7.15	+30	− 9	50.38	56.69	−33	− 1	30.07	49.62	−36	+ 2	83.05	45.73	+ 1	+10
21	25.15	6.79	+ 8	− 9	51.57	56.39	−34	+ 3	31.69	49.42	−33	+ 6	84.80	45.68	+16	+ 8
22	25.62	6.43	−12	− 6	52.78	56.09	−29	+ 7	33.31	49.23	−22	+ 9	86.55	45.63	+28	+ 5
23	26.12	6.07	−27	− 3	54.02	55.79	−17	+ 9	34.94	49.04	− 8	+10	88.30	45.59	+35	+ 1
24	26.65	5.71	−36	+ 1	55.27	55.50	− 3	+10	36.58	48.86	+ 7	+ 9	90.04	45.55	+35	− 3
25	27.20	5.36	−34	+ 5	56.53	55.21	+13	+ 9	38.24	48.68	+21	+ 7	91.79	45.52	+28	− 7
26	27.78	5.00	−26	+ 8	57.82	54.93	+26	+ 6	39.90	48.51	+32	+ 4	93.53	45.50	+14	−10
27	28.39	4.65	−13	+ 9	59.12	54.65	+35	+ 3	41.56	48.34	+37	0	95.27	45.48	− 4	−11
28	29.03	4.30	+ 2	+ 9	60.45	54.37	+37	− 1	43.24	48.18	+35	− 4	97.00	45.46	−25	−10
29	29.69	3.94	+17	+ 8	61.79	54.10	+32	− 5	44.92	48.02	+25	− 8	98.73	45.45	−42	− 7
30	30.38	3.59	+29	+ 5					46.61	47.87	+ 9	−10	100.46	45.45	−52	− 3
31	31.09	3.25	+36	+ 1					48.31	47.72	−11	−11	102.18	45.45	−52	+ 2
32	31.83	2.90	+35	− 3					50.01	47.57	−31	− 9				

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−89° 10′ 40″	69.686	−69.679	−89° 10′ 50″	69.923	−69.915	−89° 11′ 10″	70.400	−70.393
50	69.923	−69.915	60	70.160	−70.153	20	70.641	−70.634

$\alpha_{1934.0} = 19^h\ 53^m\ 18^s.81$ $\delta_{1934.0} = -89°\ 11'\ 3''.65$

*) Tag der doppelten unteren Kulmination: Jan. 19.

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Sh) σ Octantis $5^m.48$

Tag	Mai AR.	Mai Dekl.	Mai ☾ Glieder		Juni AR.	Juni Dekl.	Juni ☾ Glieder		Juli AR.	Juli Dekl.	Juli ☾ Glieder		August AR.	August Dekl.	August ☾ Glieder	
	19^h54^m	— 89° 10′	in $0^s.01$	in $0''.01$	19^h55^m	— 89° 10′	in $0^s.01$	in $0''.01$	19^h56^m	— 89° 10′	in $0^s.01$	in $0''.01$	19^h56^m	— 89° 11′	in $0^s.01$	in $0''.01$
	s	″			s	″			s	″			s	″		
1	42.18	45.45	−52	+ 2	31.39	47.89	+21	+10	5.07	54.08	+58	− 1	17.65	3.13	−16	− 6
2	43.90	45.46	−40	+ 7	32.78	48.04	+43	+ 7	5.86	54.34	+53	− 5	17.60	3.42	−29	− 2
3	45.61	45.47	−20	+10	34.16	48.20	+56	+ 2	6.63	54.60	+37	− 8	17.53	3.72	−33	+ 3
4	47.32	45.49	+ 5	+10	35.52	48.36	+57	− 3	7.37	54.86	+16	− 9	17.42	4.01	−28	+ 7
5	49.02	45.51	+30	+ 9	36.86	48.52	+46	− 7	8.09	55.12	− 6	− 8	17.29	4.30	−18	+ 9
6	50.71	45.54	+48	+ 5	38.19	48.69	+27	− 9	8.78	55.39	−23	− 4	17.12	4.59	− 2	+10
7	52.40	45.57	+55	0	39.50	48.86	+ 5	− 9	9.45	55.66	−33	0	16.93	4.89	+13	+10
8	54.08	45.60	+51	− 5	40.80	49.04	−16	− 7	10.09	55.93	−34	+ 4	16.72	5.18	+27	+ 7
9	55.75	45.64	+37	− 8	42.07	49.22	−30	− 3	10.71	56.20	−27	+ 8	16.47	5.47	+35	+ 4
10	57.42	45.68	+16	− 9	43.33	49.40	−37	+ 1	11.30	56.47	−16	+ 9	16.20	5.76	+38	0
11	59.07	45.73	− 6	− 9	44.57	49.59	−34	+ 5	11.87	56.75	+ 2	+10	15.90	6.05	+34	− 5
12	60.72	45.79	−24	− 6	45.79	49.78	−24	+ 8	12.41	57.03	+17	+ 9	15.58	6.33	+23	− 8
13	62.36	45.85	−35	− 1	46.99	49.98	−10	+10	12.93	57.31	+29	+ 6	15.22	6.62	+ 5	−10
14	63.99	45.91	−38	+ 3	48.18	50.18	+ 6	+10	13.42	57.59	+36	+ 2	14.84	6.90	−15	−11
15	65.61	45.98	−32	+ 7	49.34	50.38	+20	+ 7	13.88	57.87	+36	− 2	14.43	7.18	−35	− 9
16	67.22	46.06	−20	+ 9	50.48	50.59	+30	+ 4	14.32	58.16	+29	− 6	14.00	7.47	−52	− 6
17	68.82	46.14	− 5	+10	51.60	50.80	+35	0	14.73	58.44	+15	− 9	13.54	7.75	−59	− 1
18	70.41	46.23	+10	+ 9	52.70	51.01	+33	− 4	15.11	58.73	− 4	−11	13.06	8.02	−56	+ 3
19	72.00	46.32	+24	+ 6	53.78	51.23	+23	− 8	15.47	59.02	−25	−11	12.55	8.30	−42	+ 7
20	73.57	46.41	+32	+ 3	54.84	51.45	+ 7	−10	15.80	59.31	−44	− 8	12.01	8.57	−20	+ 9
21	75.12	46.51	+35	− 1	55.88	51.67	−13	−11	16.11	59.60	−57	− 5	11.45	8.84	+ 6	+ 9
22	76.67	46.61	+31	− 6	56.90	51.90	−33	−10	16.39 / 16.64	59.89 / 60.18	−59 / −51	0 / + 5	10.86	9.11	+31	+ 7
23	78.20	46.72	+19	− 9	57.90	52.13	−50	− 7	16.87	60.48	−32	+ 8	10.24	9.38	+46	+ 2
24	79.72	46.83	+ 2	−11	58.87	52.36	−58	− 2	17.06	60.77	− 6	+10	9.60	9.64	+51	− 2
25	81.23	46.95	−19	−11	59.83	52.60	−55	+ 3	17.23	61.06	+20	+ 9	8.93	9.90	+45	− 6
26	82.72	47.07	−38	− 9	60.76	52.84	−41	+ 7	17.37	61.36	+42	+ 5	8.24	10.16	+29	− 9
27	84.20	47.19	−51	− 5	61.67	53.08	−19	+10	17.49	61.65	+54	+ 1	7.52	10.41	+ 9	− 9
28	85.67	47.32	−55	0	62.56	53.33	+ 8	+10	17.58	61.95	+54	− 4	6.78	10.67	−11	− 7
29	87.12	47.46	−48	+ 5	63.42	53.58	+33	+ 8	17.64	62.24	+43	− 8	6.02	10.92	−25	− 3
30	88.56	47.60	−30	+ 9	64.26	53.83	+51	+ 4	17.67	62.54	+24	− 9	5.23	11.17	−32	+ 1
31	89.98	47.74	− 5	+11	65.07	54.08	+58	− 1	17.68	62.83	+ 3	− 8	4.42	11.41	−30	+ 5
32	91.39	47.89	+21	+10					17.65	63.13	−16	− 6	3.58	11.65	−22	+ 9

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−89° 10′ 40″	69.686	−69.679	−89° 10′ 50″	69.923	−69.915	−89° 11′ 10″	70.400	−70.393
50	69.923	−69.915	60	70.160	−70.153	20	70.641	−70.634

$\alpha_{1934.0} = 19^h\ 53^m\ 18^s.81$ $\delta_{1934.0} = -89°\ 11'\ 3''.65$

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Sh) σ Octantis $5^{m}.48$

Tag	September			Oktober			November			Dezember		
	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder
	$19^{h}55^{m}$	$-89°\ 11'$	in $0^{s}.01$ | $0''.01$	$19^{h}54^{m}$	$-89°\ 11'$	in $0^{s}.01$ | $0''.01$	$19^{h}54^{m}$	$-89°\ 11'$	in $0^{s}.01$ | $0''.01$	$19^{h}53^{m}$	$-89°\ 11'$	in $0^{s}.01$ | $0''.01$
1	^{s}63.58	$''$11.65	−22 + 9	^{s}89.22	$''$16.89	+19 + 9	^{s}44.18	$''$17.03	+36 − 4	^{s}67.00	$''$11.62	− 3 −11
2	62.72	11.89	− 7 +10	87.84	16.99	+31 + 6	42.75	16.93	+26 − 7	66.04	11.36	−23 −10
3	61.83	12.12	+ 9 +10	86.45	17.08	+39 + 3	41.33	16.83	+10 −10	65.10	11.09	−41 − 8
4	60.93	12.35	+24 + 8	85.05	17.16	+39 − 1	39.91	16.72	−10 −10	64.19	10.82	−52 − 4
5	60.00	12.58	+35 + 5	83.64	17.24	+33 − 5	38.51	16.61	−29 − 9	63.30	10.54	−55 + 1
6	59.05	12.80	+40 + 1	82.22	17.31	+21 − 8	37.11	16.49	−45 − 6	62.44	10.26	−47 + 5
7	58.08	13.02	+38 − 3	80.79	17.38	+ 4 −10	35.73	16.36	−53 − 2	61.60	9.98	−29 + 8
8	57.09	13.23	+29 − 6	79.36	17.44	−16 −10	34.36	16.23	−51 + 3	60.78	9.69	− 5 +10
9	56.07	13.44	+14 − 9	77.92	17.49	−35 − 8	32.99	16.09	−40 + 7	59.99	9.40	+20 + 9
10	55.04	13.65	− 5 −10	76.47	17.54	−49 − 5	31.64	15.94	−19 + 9	59.23	9.11	+41 + 6
11	53.98	13.85	−25 −10	75.01	17.58	−54 0	30.31	15.79	+ 5 +10	58.49	8.81	+52 + 1
12	52.91	14.05	−43 − 7	73.55	17.62	−49 + 4	28.98	15.63	+28 + 8	57.78	8.51	+51 − 4
13	51.81	14.24	−55 − 3	72.08	17.65	−34 + 8	27.67	15.47	+45 + 4	57.09	8.21	+40 − 7
14	50.70	14.43	−56 + 1	70.61	17.67	−12 +10	26.37	15.30	+51 − 1	56.43	7.90	+20 − 9
15	49.56	14.61	−47 + 6	69.14	17.69	+13 + 9	25.09	15.13	+46 − 6	55.80	7.59	− 2 − 9
16	48.41	14.79	−28 + 9	67.66	17.70	+34 + 6	23.83	14.95	+30 − 9	55.19	7.27	−21 − 6
17	47.25	14.97	− 4 +10	66.19	17.71	+47 + 1	22.58	14.76	+ 9 −10	54.61	6.95	−33 − 2
18	46.06	15.14	+20 + 8	64.71	17.71	+49 − 4	21.34	14.57	−12 − 8	54.06	6.63	−36 + 3
19	44.85	15.30	+39 + 4	63.23	17.70	+39 − 7	20.13	14.38	−29 − 5	53.53	6.30	−30 + 7
20	43.63	15.46	+48 − 1	61.75	17.69	+21 −10	18.93	14.18	−37 0	53.03	5.97	−17 + 9
21	42.39	15.62	+46 − 5	60.27	17.67	0 −10	17.74	13.97	−36 + 4	52.56	5.64	0 +10
22	41.14	15.77	+34 − 9	58.79	17.64	−19 − 7	16.58	13.76	−26 + 8	52.12	5.31	+16 + 9
23	39.87	15.92	+14 −10	57.31	17.61	−32 − 3	15.43	13.54	−11 +10	51.71	4.97	+30 + 7
24	38.59	16.06	− 6 − 8	55.84	17.57	−37 + 2	14.31	13.32	+ 5 +10	51.32	4.64	+38 + 3
25	37.29	16.20	−23 − 5	54.37	17.52	−32 + 6	13.20	13.09	+21 + 8	50.96	4.30	+39 − 1
26	35.98	16.33	−33 − 1	52.90	17.47	−20 + 9	12.12	12.86	+33 + 5	50.63	3.95	+33 − 5
27	34.65	16.45	−34 + 4	51.44	17.41	− 4 +10	11.05	12.62	+39 + 1	50.33	3.61	+20 − 8
28	33.31	16.57	−26 + 8	49.98	17.35	+13 +10	10.00	12.38	+38 − 3	50.06	3.27	+ 3 −10
29	31.96	16.68	−13 +10	48.52	17.28	+27 + 8	8.98	12.13	+29 − 6	49.82	2.92	−17 −10
30	30.60	16.79	+ 3 +10	47.07	17.20	+37 + 4	7.98	11.88	+15 − 9	49.61	2.57	−36 − 9
31	29.22	16.89	+19 + 9	45.62	17.12	+40 0	7.00	11.62	− 3 −11	49.43	2.22	−49 − 6
32				44.18	17.03	+36 − 4				49.27	1.87	−57 − 1

δ	sec δ	tg δ	δ	sec δ	tg δ
$-89°\ 11'\ 0''$	70.160	−70.153	$-89°\ 11'\ 10''$	70.400	−70.393
10	70.400	−70.393	20	70.641	−70.634

$\alpha_{1934.0} = 19^{h}\ 53^{m}\ 18^{s}.81$ $\delta_{1934.0} = -89°\ 11'\ 3''.65$

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Si) β Octantis $4^m.34$

Tag	Januar			Februar			März			April		
	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder
	$22^h 39^m$	$-81° 43'$	in $0^s.01$ | $0''.01$	$22^h 39^m$	$-81° 43'$	in $0^s.01$ | $0''.01$	$22^h 39^m$	$-81° 43'$	in $0^s.01$ | $0''.01$	$22^h 39^m$	$-81° 43'$	in $0^s.01$ | $0''.01$
1	25.23	58.78	−1 + 8	22.85	49.70	+4 + 2	22.56	39.30	+4 0	24.35	27.74	−1 −11
2	25.13	58.55	+1 + 8	22.81	49.35	+4 − 2	*)22.59	38.91	+4 − 4	24.44	27.39	−4 −11
3	25.02	58.32	+3 + 6	22.77	49.00	+3 − 7	22.62	38.53	+2 − 8	24.53	27.05	−5 − 8
4	24.92	58.08	+4 + 4	22.73	48.64	+1 −10	22.65	38.15	0 −11	24.63	26.71	−6 − 3
5	24.82	57.84	+4 0	22.69	48.29	−1 −12	22.68	37.76	−2 −12	24.72	26.37	−5 + 2
6	24.72	57.59	+4 − 5	22.66	47.93	−3 −12	22.72	37.38	−5 −10	24.82	26.03	−3 + 6
7	24.62	57.34	+3 − 9	22.63	47.57	−5 − 9	22.75	36.99	−6 − 7	24.92	25.69	−1 + 9
8	24.52	57.08	+1 −12	22.60	47.21	−6 − 5	22.79	36.61	−6 − 2	25.02	25.36	+2 +10
9	24.43	56.82	−2 −13	22.58	46.85	−6 0	22.83	36.23	−5 + 3	25.13	25.03	+5 + 9
10	24.34	56.55	−4 −11	22.56	46.48	−4 + 5	22.87	35.85	−3 + 7	25.23	24.70	+6 + 5
11	24.25	56.28	−6 − 8	22.54	46.11	−1 + 9	22.91	35.46	0 +10	25.34	24.38	+6 + 1
12	24.16	56.01	−6 − 3	22.52	45.74	+2 +10	22.96	35.08	+3 +10	25.45	24.06	+5 − 3
13	24.07	55.73	−5 + 3	22.50	45.37	+4 + 9	23.01	34.70	+5 + 7	25.56	23.74	+3 − 6
14	23.99	55.44	−3 + 7	22.49	45.00	+6 + 6	23.06	34.32	+6 + 4	25.67	23.43	0 − 8
15	23.91	55.15	0 +10	22.48	44.62	+6 + 2	23.12	33.94	+6 − 1	25.78	23.12	−2 − 7
16	23.83	54.86	+3 +11	22.47	44.25	+5 − 2	23.17	33.56	+4 − 5	25.90	22.81	−4 − 5
17	23.76	54.56	+5 + 9	22.46	43.87	+3 − 5	23.23	33.19	+2 − 7	26.02	22.51	−5 − 1
18	23.68	54.26	+6 + 6	22.45	43.50	+1 − 7	23.29	32.82	−1 − 7	26.14	22.21	−5 + 2
19	23.61	53.96	+6 + 1	22.45	43.12	−1 − 7	23.35	32.44	−3 − 6	26.26	21.91	−4 + 5
20	23.54	53.65	+5 − 3	22.45	42.74	−3 − 5	23.42	32.07	−4 − 3	26.38	21.62	−2 + 7
21	23.47	53.34	+3 − 6	22.46	42.36	−4 − 2	23.48	31.70	−5 0	26.50	21.33	0 + 8
22	23.40	53.03	0 − 7	22.46	41.98	−5 + 2	23.55	31.33	−4 + 3	26.63	21.04	+2 + 8
23	23.33	52.71	−2 − 6	22.47	41.60	−4 + 5	23.62	30.96	−3 + 6	26.76	20.76	+3 + 6
24	23.27	52.39	−4 − 4	22.48	41.21	−2 + 7	23.69	30.59	−1 + 8	26.89	20.48	+4 + 2
25	23.22	52.06	−5 0	22.49	40.83	−1 + 8	23.77	30.23	+1 + 8	27.02	20.21	+4 − 1
26	23.16	51.73	−5 + 3	22.51	40.45	+1 + 8	23.85	29.87	+2 + 7	27.15	19.94	+3 − 5
27	23.10	51.40	−3 + 6	22.52	40.07	+3 + 6	23.93	29.51	+4 + 5	27.28	19.67	+2 − 9
28	23.05	51.06	−2 + 8	22.54	39.68	+4 + 4	24.01	29.15	+5 + 1	27.41	19.41	0 −11
29	23.00	50.72	0 + 8	22.56	39.30	+4 0	24.09	28.79	+4 − 3	27.55	19.15	−3 −11
30	22.94	50.38	+2 + 7				24.17	28.44	+3 − 7	27.69	18.89	−5 − 9
31	22.89	50.04	+3 + 5				24.26	28.09	+1 −10	27.82	18.64	−6 − 5
32	22.85	49.70	+4 + 2				24.35	27.74	−1 −11			

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−81° 43′ 10″	6.943	−6.871	−81° 43′ 30″	6.948	−6.876	−81° 43′ 50″	6.953	−6.880
20	6.946	−6.873	40	6.950	−6.878	60	6.955	−6.883

$\alpha_{1934.0} = 22^h\ 39^m\ 25^s.70$ $\delta_{1934.0} = -81°\ 43'\ 42''.88$

*) Tag der doppelten unteren Kulmination: März 2.

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Si) β Octantis $4^{m}.34$

Tag	Mai			Juni			Juli			August		
	AR.	Dekl.	ℂ Glieder	AR.	Dekl.	ℂ Glieder	AR.	Dekl.	ℂ Glieder	AR.	Dekl.	ℂ Glieder
	$22^h 39^m$	— $81° 43'$	in $0^s.01$ | $0''.01$	$22^h 39^m$	— $81° 43'$	in $0^s.01$ | $0''.01$	$22^h 39^m$	— $81° 43'$	in $0^s.01$ | $0''.01$	$22^h 39^m$	— $81° 43'$	in $0^s.01$ | $0''.01$
1	$27^s.82$	$18''.64$	−6 − 5	$32^s.54$	$13''.16$	0 +10	$37^s.27$	$12''.62$	+6 + 7	$41^s.17$	$16''.96$	+2 − 6
2	27.96	18.39	−6 0	32.70	13.07	+3 +11	37.42	12.69	+6 + 3	41.27	17.17	−1 − 6
3	28.10	18.15	−4 + 5	32.86	12.98	+5 + 9	37.56	12.76	+5 − 1	41.36	17.38	−3 − 5
4	28.24	17.91	−2 + 9	33.02	12.89	+6 + 5	37.71	12.83	+4 − 5	41.45	17.60	−4 − 2
5	28.38	17.68	+1 +11	33.18	12.81	+6 + 1	37.85	12.91	+1 − 7	41.54	17.82	−4 + 1
6	28.53	17.45	+4 +10	33.35	12.74	+5 − 3	37.99	13.00	−2 − 6	41.63	18.05	−4 + 5
7	28.67	17.23	+6 + 7	33.51	12.67	+2 − 6	38.14	13.09	−3 − 4	41.71	18.28	−2 + 7
8	28.82	17.01	+6 + 3	33.67	12.60	0 − 7	38.28	13.19	−4 − 1	41.80	18.51	−1 + 9
9	28.96	16.79	+6 − 1	33.83	12.54	−3 − 6	38.42	13.29	−4 + 2	41.88	18.75	+1 + 9
10	29.11	16.58	+4 − 5	33.99	12.49	−4 − 4	38.56	13.40	−3 + 5	41.96	18.99	+3 + 7
11	29.26	16.37	+1 − 7	34.15	12.44	−5 0	38.69	13.51	−2 + 8	42.04	19.23	+4 + 5
12	29.41	16.17	−1 − 7	34.31	12.40	−4 + 3	38.83	13.63	0 + 9	42.11	19.48	+5 + 1
13	29.56	15.97	−3 − 6	34.47	12.36	−3 + 6	38.96	13.75	+2 + 8	42.18	19.73	+4 − 3
14	29.71	15.78	−5 − 3	34.63	12.33	−1 + 8	39.09	13.87	+3 + 6	42.25	19.98	+3 − 7
15	29.86	15.59	−5 + 1	34.79	12.31	0 + 8	39.22	14.00	+4 + 3	42.32	20.23	+1 −10
16	30.01	15.41	−4 + 4	34.95	12.29	+2 + 7	39.35	14.14	+4 − 1	42.38	20.49	−1 −12
17	30.17	15.23	−3 + 7	35.11	12.27	+4 + 5	39.48	14.28	+4 − 5	42.44	20.75	−4 −11
18	30.32	15.05	−1 + 8	35.27	12.26	+4 + 1	39.61	14.43	+2 − 9	42.50	21.01	−6 − 9
19	30.47	14.88	+1 + 8	35.42	12.26	+4 − 3	39.73	14.58	0 −12	42.55	21.27	−6 − 5
20	30.63	14.72	+3 + 6	35.58	12.26	+3 − 7	39.85	14.74	−3 −12	42.60	21.54	−6 0
21	30.79	14.56	+4 + 3	35.74	12.26	+1 −10	39.97	14.90	−5 −11	42.65	21.81	−4 + 5
22	30.95	14.41	+4 0	35.90	12.27	−1 −12	40.09	15.07	−6 − 8	42.70	22.08	−1 + 8
23	31.11	14.26	+4 − 4	36.05	12.29	−3 −12	40.21	15.24	−6 − 3	42.74	22.35	+2 + 9
24	31.27	14.12	+3 − 8	36.21	12.31	−5 − 9	40.32	15.42	−5 + 2	42.78	22.63	+4 + 8
25	31.42	13.98	+1 −11	36.37	12.34	−6 − 5	40.43	15.60	−3 + 7	42.82	22.91	+6 + 5
26	31.58	13.85	−2 −12	36.52	12.38	−6 0	40.54	15.78	0 + 9	42.86	23.19	+6 + 1
27	31.74	13.72	−4 −10	36.67	12.42	−4 + 5	40.65	15.97	+3 +10	42.89	23.47	+5 − 3
28	31.90	13.60	−6 − 7	36.82	12.46	−1 + 9	40.76	16.16	+5 + 8	42.92	23.75	+3 − 6
29	32.06	13.48	−6 − 2	36.97	12.51	+2 +11	40.87	16.35	+6 + 4	42.95	24.03	0 − 7
30	32.22	13.37	−5 + 3	37.12	12.56	+4 +10	40.97	16.55	+6 0	42.97	24.32	−2 − 6
31	32.38	13.26	−3 + 8	37.27	12.62	+6 + 7	41.07	16.75	+4 − 4	42.99	24.61	−4 − 3
32	32.54	13.16	0 +10				41.17	16.96	+2 − 6	43.01 43.03	24.89 25.18	−4 0 −4 + 4

δ	sec δ	tg δ	δ	sec δ	tg δ
−81° 43′ 10″	6.943	−6.871	−81° 43′ 20″	6.946	−6.873
20	6.946	−6.873	30	6.948	−6.876

$\alpha_{1934.0} = 22^h\ 39^m\ 25^s.70$ $\delta_{1934.0} = -81°\ 43'\ 42''.88$

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Si) β Octantis $4^m.34$

September

Tag	AR. $22^h 39^m$	Dekl. $-81° 43'$	☾ Glieder in $0^s.01$	☾ Glieder in $0''.01$
	s	″		
1	43.01 43.03	24.89 25.18	−4 −4	0 +4
2	43.04	25.47	−3	+7
3	43.05	25.76	−1	+9
4	43.06	26.05	0	+9
5	43.07	26.35	+2	+8
6	43.07	26.64	+4	+6
7	43.07	26.93	+4	+3
8	43.07	27.23	+4	−1
9	43.06	27.52	+4	−5
10	43.05	27.81	+2	−9
11	43.04	28.11	0	−11
12	43.03	28.40	−3	−11
13	43.01	28.69	−5	−10
14	42.99	28.98	−6	−6
15	42.97	29.28	−6	−2
16	42.94	29.57	−5	+3
17	42.91	29.87	−2	+7
18	42.88	30.16	0	+9
19	42.85	30.45	+3	+8
20	42.81	30.74	+5	+6
21	42.77	31.03	+6	+2
22	42.73	31.31	+5	−2
23	42.68	31.59	+3	−6
24	42.64	31.87	+1	−7
25	42.59	32.15	−1	−7
26	42.54	32.43	−3	−5
27	42.48	32.71	−4	−1
28	42.42	32.98	−4	+2
29	42.36	33.25	−3	+6
30	42.30	33.52	−2	+8
31	42.24	33.79	0	+9
32				

Oktober

Tag	AR. $22^h 39^m$	Dekl. $-81° 43'$	☾ Glieder in $0^s.01$	☾ Glieder in $0''.01$
	s	″		
1	42.24	33.79	0	+9
2	42.17	34.06	+2	+9
3	42.10	34.32	+3	+7
4	42.03	34.58	+4	+4
5	41.95	34.84	+5	0
6	41.87	35.09	+4	−4
7	41.79	35.34	+3	−7
8	41.71	35.59	0	−10
9	41.63	35.84	−2	−11
10	41.54	36.08	−4	−10
11	41.44	36.32	−6	−7
12	41.35	36.55	−6	−3
13	41.26	36.78	−5	+2
14	41.16	37.01	−3	+6
15	41.06	37.23	−1	+9
16	40.97	37.45	+2	+9
17	40.87	37.67	+5	+7
18	40.76	37.88	+6	+4
19	40.66	38.09	+6	−1
20	40.55	38.29	+4	−4
21	40.44	38.49	+2	−7
22	40.33	38.68	−1	−8
23	40.21	38.87	−3	−6
24	40.10	39.05	−4	−3
25	39.98	39.23	−5	0
26	39.86	39.41	−4	+4
27	39.74	39.58	−3	+7
28	39.62	39.75	−1	+9
29	39.50	39.91	+1	+9
30	39.37	40.06	+3	+8
31	39.25	40.21	+4	+5
32	39.12	40.35	+5	+2

November

Tag	AR. $22^h 39^m$	Dekl. $-81° 43'$	☾ Glieder in $0^s.01$	☾ Glieder in $0''.01$
	s	″		
1	39.12	40.35	+5	+2
2	38.99	40.49	+4	−2
3	38.87	40.63	+3	−6
4	38.74	40.76	+1	−9
5	38.61	40.88	−1	−11
6	38.48	41.00	−3	−11
7	38.34	41.11	−5	−9
8	38.21	41.22	−6	−5
9	38.07	41.32	−6	0
10	37.94	41.41	−4	+5
11	37.80	41.50	−2	+8
12	37.66	41.58	+1	+10
13	37.53	41.65	+4	+9
14	37.39	41.72	+5	+6
15	37.25	41.79	+6	+1
16	37.11	41.85	+5	−3
17	36.96	41.90	+3	−6
18	36.82	41.94	0	−8
19	36.68	41.98	−2	−7
20	36.54	42.01	−4	−5
21	36.40	42.04	−5	−1
22	36.25	42.06	−4	+3
23	36.11	42.07	−3	+6
24	35.97	42.08	−2	+8
25	35.82	42.08	0	+9
26	35.68	42.08	+2	+8
27	35.54	42.07	+4	+6
28	35.40	42.05	+4	+3
29	35.26	42.03	+4	−1
30	35.11	42.00	+3	−5
31	34.97	41.96	+2	−8
32				

Dezember

Tag	AR. $22^h 39^m$	Dekl. $-81° 43'$	☾ Glieder in $0^s.01$	☾ Glieder in $0''.01$
	s	″		
1	34.97	41.96	+2	−8
2	34.83	41.92	0	−11
3	34.69	41.87	−2	−11
4	34.55	41.82	−4	−10
5	34.41	41.76	−6	−7
6	34.27	41.69	−6	−2
7	34.13	41.61	−5	+3
8	33.99	41.53	−2	+7
9	33.85	41.44	0	+10
10	33.71	41.34	+3	+10
11	33.58	41.24	+5	+8
12	33.44	41.14	+6	+4
13	33.31	41.03	+6	−1
14	33.17	40.91	+4	−4
15	33.04	40.79	+2	−7
16	32.91	40.66	−1	−7
17	32.78	40.52	−3	−6
18	32.65	40.38	−4	−3
19	32.53	40.23	−5	+1
20	32.40	40.08	−4	+5
21	32.27	39.92	−2	+8
22	32.15	39.75	0	+9
23	32.03	39.58	+1	+9
24	31.91	39.40	+3	+7
25	31.79	39.22	+4	+4
26	31.67	39.03	+5	0
27	31.55	38.84	+4	−4
28	31.43	38.64	+3	−7
29	31.31	38.43	0	−10
30	31.20	38.22	−2	−12
31	31.09	38.01	−4	−11
32	30.98	37.79	−5	−9

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−81° 43′ 20″	6.946	−6.873	−81° 43′ 30″	6.948	−6.876	−81° 43′ 40″	6.950	−6.878
30	6.948	−6.876	40	6.950	−6.878	50	6.953	−6.880

$\alpha_{1934.0} = 22^h\ 39^m\ 25^s.70$ $\delta_{1934.0} = -81°\ 43'\ 42''.88$

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Sk) τ Octantis $5^m_.56$

Tag	Januar AR.	Januar Dekl.	Januar ☾ Glieder	Februar AR.	Februar Dekl.	Februar ☾ Glieder	März AR.	März Dekl.	März ☾ Glieder	April AR.	April Dekl.	April ☾ Glieder
	$23^h 18^m$	— $87° 50'$	in $0^s.01$ | $0''.01$	$23^h 18^m$	— $87° 50'$	in $0^s.01$ | $0''.01$	$23^h 18^m$	— $87° 50'$	in $0^s.01$ | $0''.01$	$23^h 18^m$	— $87° 50'$	in $0^s.01$ | $0''.01$
	s	"		s	"		s	"		s	"	
1	56.60	59.26	−10 + 7	43.77	50.82	+14 + 3	38.81	40.43	+17 + 1	41.42	28.33	+ 3 −11
2	56.09	59.06	− 3 + 7	43.48	50.48	+17 − 1	38.76	40.03	+17 − 3	41.64	27.96	− 6 −11
3	55.58	58.85	+ 5 + 7	43.19	50.14	+17 − 5	38.72	39.64	+15 − 7	41.87	27.59	−14 − 9
4	55.08	58.64	+11 + 5	42.91	49.79	+12 − 9	38.69	39.25	+ 8 −10	42.11	27.22	−19 − 5
5	54.59	58.43	+16 + 1	42.64	49.44	+ 5 −12	38.67	38.85	0 −12	42.35	26.85	−20 0
6	54.10	58.21	+17 − 3	42.38	49.09	− 4 −12	38.66	38.46	− 9 −11	42.60	26.48	−16 + 5
7	53.62	57.98	+15 − 7	42.13	48.74	−13 −11	38.65	38.06	−16 − 8	42.86	26.12	− 9 + 9
8	53.15	57.75	+ 9 −11	41.89	48.39	−19 − 7	38.66	37.66	−20 − 4	43.12	25.76	+ 1 +10
9	52.68	57.52	+ 1 −13	41.65	48.03	−21 − 2	38.67	37.27	−19 + 2	43.39	25.40	+11 + 9
10	52.21	57.28	− 8 −12	41.42	47.67	−18 + 3	38.70	36.87	−14 + 6	43.67	25.05	+18 + 7
11	51.75	57.03	−16 − 9	41.20	47.30	−11 + 8	38.73	36.47	− 5 + 9	43.96	24.70	+21 + 3
12	51.30	56.78	−20 − 5	40.99	46.93	− 1 +10	*)38.77	36.08	+ 5 +10	44.26	24.35	+19 − 2
13	50.86	56.52	−20 + 1	40.79	46.56	+ 9 +10	38.82	35.68	+13 + 9	44.56	24.00	+14 − 5
14	50.42	56.26	−15 + 6	40.60	46.19	+17 + 8	38.88	35.28	+19 + 5	44.87	23.66	+ 5 − 7
15	49.99	55.99	− 7 +10	40.42	45.82	+21 + 4	38.95	34.89	+20 + 1	45.19	23.32	− 3 − 7
16	49.57	55.72	+ 4 +11	40.24	45.44	+20 0	39.03	34.49	+17 − 3	45.52	22.98	−11 − 6
17	49.15	55.45	+13 +10	40.08	45.07	+16 − 4	39.12	34.10	+11 − 6	45.85	22.64	−16 − 3
18	48.74	55.17	+19 + 7	39.93	44.69	+ 8 − 6	39.21	33.71	+ 2 − 7	46.19	22.31	−17 + 1
19	48.33	54.89	+21 + 3	39.78	44.31	− 1 − 7	39.31	33.31	− 6 − 6	46.53	21.98	−16 + 4
20	47.93	54.60	+19 − 1	39.64	43.93	− 9 − 5	39.42	32.92	−13 − 4	46.88	21.65	−12 + 6
21	47.54	54.31	+13 − 4	39.51	43.54	−14 − 3	39.54	32.53	−17 − 1	47.24	21.33	− 6 + 8
22	47.16	54.01	+ 4 − 6	39.39	43.15	−17 0	39.67	32.14	−17 + 2	47.61	21.01	+ 1 + 8
23	46.79	53.71	− 4 − 6	39.28	42.77	−17 + 3	39.81	31.76	−15 + 5	47.98	20.69	+ 8 + 6
24	46.42	53.40	−11 − 5	39.18	42.38	−13 + 6	39.96	31.37	−10 + 7	48.36	20.38	+13 + 4
25	46.06	53.09	−16 − 2	39.09	41.99	− 8 + 8	40.11	30.98	− 3 + 8	48.75	20.07	+16 0
26	45.71	52.78	−17 + 1	39.00	41.60	− 1 + 8	40.27	30.60	+ 4 + 7	49.14	19.76	+16 − 4
27	45.37	52.46	−16 + 4	38.93	41.21	+ 7 + 7	40.44	30.22	+10 + 6	49.54	19.46	+13 − 8
28	45.04	52.14	−11 + 6	38.87	40.82	+13 + 5	40.62	29.84	+15 + 3	49.94	19.16	+ 6 −10
29	44.71	51.82	− 5 + 8	38.81	40.43	+17 + 1	40.81	29.46	+17 − 1	50.35	18.86	− 2 −11
30	44.39	51.49	+ 2 + 8				41.01	29.08	+16 − 5	50.76	18.57	−11 −10
31	44.08	51.16	+ 9 + 6				41.21	28.70	+11 − 9	51.18	18.28	−17 − 7
32	43.77	50.82	+14 + 3				41.42	28.33	+ 3 −11			

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−87° 50′ 10″	26.484	−26.466	−87° 50′ 30″	26.553	−26.534	−87° 50′ 50″	26.621	−26.602
20	26.518	−26.500	40	26.587	−26.568	60	26.655	−26.637

$\alpha_{1934.0} = 23^h\ 18^m\ 55^s.29$ $\delta_{1934.0} = -87°\ 50'\ 43''.18$

*) Tag der doppelten unteren Kulmination: März 12.

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Sk) τ Octantis $5^m.56$

Tag	Mai AR.	Mai Dekl.	Mai ☾ Glieder		Juni AR.	Juni Dekl.	Juni ☾ Glieder	
	$23^h 18^m$	−87° 50′	in $0^s.01$	in $0''.01$	$23^h 19^m$	−87° 50′	in $0^s.01$	in $0''.01$
1	$51^s.18$	$18''.28$	−17	−7	$6^s.59$	$11''.58$	−7	+10
2	51.61	18.00	−20	−2	7.14	11.44	+3	+11
3	52.04	17.72	−18	+4	7.69	11.31	+13	+10
4	52.48	17.44	−12	+8	8.25	11.19	+19	+7
5	52.93	17.17	−2	+10	8.80	11.07	+21	+3
6	53.38	16.90	+7	+11	9.36	10.95	+19	−2
7	53.83	16.64	+15	+9	9.92	10.84	+12	−5
8	54.29	16.38	+20	+5	10.48	10.74	+4	−7
9	54.76	16.13	+20	0	11.04	10.64	−5	−7
10	55.23	15.88	+16	−4	11.61	10.54	−12	−5
11	55.70	15.63	+9	−6	12.18	10.45	−16	−2
12	56.18	15.39	0	−7	12.75	10.37	−17	+2
13	56.66	15.15	−8	−7	13.32	10.29	−15	+5
14	57.15	14.92	−14	−4	13.89	10.22	−10	+7
15	57.64	14.69	−17	−1	14.46	10.15	−4	+8
16	58.14	14.47	−17	+3	15.02	10.09	+3	+7
17	58.64	14.25	−14	+5	15.59	10.03	+10	+5
18	59.15	14.04	−8	+7	16.16	9.98	+14	+2
19	59.66	13.83	−1	+8	16.73	9.94	+17	−1
20	60.17	13.63	+6	+7	17.29	9.90	+16	−6
21	60.69	13.43	+12	+5	17.86	9.87	+11	−9
22	61.21	13.24	+16	+1	18.43	9.84	+4	−12
23	61.73	13.05	+17	−3	19.00	9.82	−5	−12
24	62.26	12.87	+14	−7	19.56	9.80	−13	−10
25	62.79	12.69	+9	−10	20.13	9.79	−18	−7
26	63.33	12.52	+1	−12	20.69	9.79	−20	−2
27	63.87	12.35	−8	−11	21.25	9.79	−18	+4
28	64.41	12.18	−15	−8	21.81	9.80	−11	+8
29	64.95	12.02	−19	−4	22.36	9.81	−1	+11
30	65.49	11.87	−19	+1	22.92	9.83	+9	+11
31	66.04	11.72	−15	+6	23.47	9.86	+17	+9
32	66.59	11.58	−7	+10				

Tag	Juli AR.	Juli Dekl.	Juli ☾ Glieder		August AR.	August Dekl.	August ☾ Glieder	
	$23^h 19^m$	−87° 50′	in $0^s.01$	in $0''.01$	$23^h 19^m$	−87° 50′	in $0^s.01$	in $0''.01$
1	$23^s.47$	$9''.86$	+17	+9	$38^s.75$	$13''.25$	+11	−5
2	24.02	9.89	+21	+5	39.16	13.44	+2	−6
3	24.57	9.92	+20	0	39.56	13.63	−6	−5
4	25.12	9.96	+15	−3	39.95	13.83	−13	−3
5	25.66	10.01	+7	−6	40.34	14.03	−17	0
6	26.20	10.06	−2	−6	40.72	14.24	−17	+3
7	26.74	10.12	−9	−5	41.09	14.45	−14	+6
8	27.27	10.18	−15	−2	41.45	14.67	−8	+8
9	27.80	10.25	−17	+1	41.80	14.89	−2	+9
10	28.33	10.32	−16	+4	42.15	15.11	+5	+8
11	28.85	10.40	−12	+7	42.49	15.34	+11	+6
12	29.37	10.49	−6	+8	42.83	15.57	+15	+2
13	29.89	10.58	+1	+8	43.15	15.80	+17	−2
14	30.40	10.67	+8	+7	43.46	16.04	+15	−6
15	30.90	10.77	+13	+4	43.76	16.28	+9	−9
16	31.40	10.88	+16	0	44.06	16.53	+2	−12
17	31.90	10.99	+16	−4	44.35	16.78	−6	−12
18	32.40	11.10	+13	−8	44.63	17.03	−14	−10
19	32.89	11.22	+7	−11	44.90	17.28	−19	−7
20	33.37	11.35	−1	−13	45.17	17.54	−20	−2
21	33.85	11.48	−10	−12	45.42	17.80	−17	+3
22	34.33	11.62	−17	−9	45.66	18.06	−9	+7
23	34.80	11.76	−20	−4	45.90	18.33	0	+9
24	35.26	11.90	−19	+1	46.13	18.60	+10	+9
25	35.72	12.05	−14	+6	46.34	18.87	+17	+7
26	36.17	12.21	−5	+9	46.55	19.14	+21	+3
27	36.61	12.37	+5	+10	46.74	19.41	+19	−1
28	37.05	12.54	+14	+9	46.92	19.69	+14	−4
29	37.49	12.71	+20	+6	47.10	19.97	+5	−6
30	37.92	12.89	+21	+2	47.27	20.26	−3	−6
31	38.34	13.07	+17	−2	47.42	20.54	−11	−4
32	38.75	13.25	+11	−5	47.56	20.83	−16	−1

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−87° 50′ 0″	26.451	−26.432	−87° 50′ 10″	26.484	−26.466	−87° 50′ 20″	26.518	−26.500
10	26.484	−26.466	20	26.518	−26.500	30	26.553	−26.534

$\alpha_{1934.0} = 23^h\ 18^m\ 55^s.29$ $\delta_{1934.0} = -87°\ 50'\ 43''.18$

Scheinbare Sternörter 1934

Obere Kulmination Greenwich

Sk) τ Octantis $5^{m}.56$

Tag	September AR.	September Dekl.	September ☾ Glieder		Oktober AR.	Oktober Dekl.	Oktober ☾ Glieder		November AR.	November Dekl.	November ☾ Glieder		Dezember AR.	Dezember Dekl.	Dezember ☾ Glieder	
		—	in			—	in			—	in			—	in	
	$23^{h}19^{m}$	87° 50′	$0^{s}.01$	0″.01	$23^{h}19^{m}$	87° 50′	$0^{s}.01$	0″.01	$23^{h}19^{m}$	87° 50′	$0^{s}.01$	0″.01	$23^{h}19^{m}$	87° 50′	$0^{s}.01$	0″.01
1	47.56	20.83	−16	− 1	46.88	30.11	− 6	+ 9	36.53	37.72	+15	+ 3	20.43	40.63	+13	− 7
2	47.70	21.12	−17	+ 2	46.69	30.40	0	+ 9	36.07	37.90	+17	− 1	19.85	40.63	+ 6	−10
3	47.83	21.41	−15	+ 6	46.49	30.69	+ 7	+ 8	35.60	38.08	+15	− 5	19.27	40.62	− 1	−11
4	47.94	21.71	−10	+ 8	46.28	30.98	+12	+ 5	35.12	38.25	+10	− 8	18.68	40.61	− 9	−11
5	48.05	22.00	− 4	+ 9	46.05	31.26	+16	+ 2	34.63	38.41	+ 4	−11	18.10	40.59	−16	− 8
6	48.14	22.30	+ 3	+ 9	45.82	31.54	+16	− 2	34.14	38.57	− 4	−11	17.52	40.56	−19	− 4
7	48.22	22.60	+ 9	+ 7	45.58	31.82	+14	− 6	33.64	38.73	−12	−10	16.93	40.53	−18	+ 1
8	48.30	22.90	+14	+ 4	45.33	32.10	+ 8	− 9	33.14	38.88	−18	− 6	16.34	40.49	−13	+ 6
9	48.37	23.20	+16	0	45.07	32.38	+ 1	−11	32.63	39.02	−20	− 2	15.76	40.45	− 5	+ 9
10	48.42	23.50	+16	− 4	44.79	32.65	− 8	−11	32.12	39.16	−17	+ 3	15.18	40.40	+ 4	+10
11	48.47 / 48.50	23.81 / 24.11	+12 / + 6	− 8 / −10	44.51	32.92	−15	− 9	31.60	39.29	−11	+ 7	14.60	40.34	+13	+ 9
12	48.52	24.42	− 3	−11	44.22	33.19	−19	− 5	31.07	39.41	− 2	+10	14.02	40.27	+19	+ 5
13	48.53	24.72	−11	−11	43.92	33.45	−19	0	30.54	39.53	+ 8	+ 9	13.44	40.20	+20	+ 1
14	48.53	25.02	−17	− 8	43.61	33.71	−15	+ 4	30.01	39.64	+16	+ 7	12.87	40.12	+17	− 3
15	48.52	25.32	−20	− 3	43.29	33.97	− 8	+ 8	29.47	39.75	+20	+ 3	12.29	40.04	+10	− 6
16	48.50	25.63	−18	+ 1	42.96	34.22	+ 2	+ 9	28.93	39.85	+19	− 1	11.71	39.95	+ 1	− 7
17	48.46	25.93	−13	+ 6	42.63	34.47	+11	+ 8	28.38	39.95	+15	− 5	11.14	39.85	− 7	− 6
18	48.42	26.23	− 4	+ 9	42.28	34.71	+18	+ 5	27.83	40.04	+ 7	− 7	10.57	39.74	−14	− 4
19	48.36	26.53	+ 6	+ 9	41.92	34.95	+20	+ 1	27.28	40.12	− 2	− 7	10.00	39.63	−17	0
20	48.30	26.84	+14	+ 7	41.55	35.19	+18	− 3	26.72	40.20	−10	− 6	9.44	39.51	−17	+ 3
21	48.23	27.14	+20	+ 4	41.18	35.43	+12	− 6	26.16	40.27	−16	− 3	8.88	39.39	−13	+ 7
22	48.14	27.44	+20	0	40.80	35.66	+ 3	− 7	25.60	40.33	−18	+ 1	8.33	39.26	− 7	+ 8
23	48.04	27.74	+16	− 4	40.41	35.89	− 6	− 7	25.03	40.39	−16	+ 5	7.77	39.13	0	+ 9
24	47.94	28.04	+ 9	− 6	40.01	36.11	−13	− 4	24.46	40.44	−12	+ 7	7.22	38.99	+ 7	+ 8
25	47.82	28.34	0	− 7	39.60	36.33	−17	− 1	23.89	40.49	− 5	+ 9	6.67	38.84	+12	+ 5
26	47.69	28.64	− 8	− 6	39.18	36.54	−17	+ 3	23.32	40.53	+ 2	+ 9	6.12	38.69	+15	+ 2
27	47.55	28.93	−14	− 3	38.76	36.75	−14	+ 6	22.74	40.56	+ 9	+ 7	5.58	38.53	+16	− 2
28	47.40	29.23	−17	+ 1	38.33	36.95	− 9	+ 8	22.16	40.59	+14	+ 4	5.04	38.36	+14	− 6
29	47.24	29.53	−16	+ 4	37.89	37.15	− 2	+ 9	21.59	40.61	+16	0	4.51	38.19	+ 9	−10
30	47.07	29.82	−13	+ 7	37.44	37.35	+ 5	+ 8	21.01	40.62	+16	− 4	3.98	38.01	+ 2	−12
31	46.88	30.11	− 6	+ 9	36.99	37.54	+11	+ 6	20.43	40.63	+13	− 7	3.46	37.83	− 6	−12
32					36.53	37.72	+15	+ 3					2.94	37.64	−14	−10

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−87° 50′ 20″	26.518	−26.500	−87° 50′ 30″	26.553	−26.534	−87° 50′ 40″	26.587	−26.568
30	26.553	−26.534	40	26.587	−26.568	50	26.621	−26.602

$\alpha_{1934.0} = 23^{h}\ 18^{m}\ 55^{s}.29$ $\delta_{1934.0} = -\ 87°\ 50'\ 43''.18$

Polnahe Sterne 1934

Koordinaten der scheinbaren Örter für 12^h Sternzeit Greenwich

Tag		BD +89° 1 Gr. $10^m.56$		BD +89° 3 Gr. $9^m.06$		BD +89° 37 Gr. $10^m.06$		CPD −89° 38 Gr. $9^m.5$		Kurzperiod. Nutationsgl.*)	
1934		x	y	x	y	x	y	x	y	in 0″.01	
Jan.	0	−183″.88	+69″.55	+16″.72	+853″.99	−966″.20	−353″.66	−162″.97	−303″.81	− 2	+10
	1	183.90	69.22	16.70	853.66	966.22	353.99	162.83	304.14	− 4	+ 8
	2	183.91	68.88	16.69	853.34	966.23	354.33	162.67	304.46	− 6	+ 5
	3	183.91	68.55	16.68	853.01	966.23	354.66	162.52	304.79	− 7	+ 1
	4	183.91	68.22	16.68	852.68	966.23	354.98	162.37	305.11	− 6	− 3
	5	−183.90	+67.90	+16.69	+852.36	−966.22	−355.31	−162.20	−305.43	− 4	− 7
	6	183.88	67.57	16.71	852.03	966.20	355.64	162.03	305.74	− 1	− 9
	7	183.86	67.24	16.73	851.70	966.18	355.96	161.86	306.06	+ 4	−10
	8	183.83	66.91	16.76	851.37	966.15	356.29	161.68	306.37	+ 8	− 9
	9	183.80	66.59	16.79	851.05	966.12	356.61	161.50	306.69	+11	− 6
	10	−183.76	+66.27	+16.83	+850.73	−966.08	−356.94	−161.30	−306.99	+12	− 1
	11	183.71	65.95	16.88	850.41	966.03	357.26	161.11	307.30	+12	+ 4
	12	183.66	65.63	16.93	850.09	965.98	357.58	160.90	307.60	+ 9	+ 8
	13	183.60	65.31	16.99	849.78	965.92	357.90	160.69	307.90	+ 4	+11
	14	183.53	64.99	17.06	849.46	965.85	358.21	160.48	308.20	− 2	+10
	15	−183.46	+64.68	+17.13	+849.15	−965.78	−358.53	−160.26	−308.50	− 7	+ 8
	16	183.38	64.37	17.21	848.84	965.70	358.84	160.03	308.79	−10	+ 3
	17	183.29	64.06	17.30	848.53	965.61	359.15	159.80	309.08	−11	− 2
	18	183.20	63.75	17.39	848.22	965.52	359.46	159.56	309.37	−10	− 7
	19	183.10	63.45	17.49	847.92	965.42	359.76	159.32	309.65	− 7	−10
	20	−182.99	+63.15	+17.60	+847.62	−965.31	−360.07	−159.08	−309.93	− 3	−11
	21	182.88	62.85	17.71	847.32	965.20	360.37	158.83	310.21	+ 1	− 9
	22	182.76	62.55	17.83	847.02	965.08	360.66	158.57	310.48	+ 4	− 6
	23	182.64	62.26	17.95	846.73	964.96	360.96	158.31	310.75	+ 6	− 2
	24	182.51	61.97	18.08	846.44	964.83	361.25	158.05	311.01	+ 6	+ 3
	25	−182.38	+61.68	+18.21	+846.15	−964.70	−361.54	−157.78	−311.28	+ 5	+ 7
	26	182.24	61.39	18.35	845.86	964.56	361.83	157.50	311.53	+ 2	+ 9
	27	182.09	61.11	18.50	845.58	964.41	362.11	157.22	311.79	− 1	+10
	28	181.94	60.83	18.65	845.30	964.26	362.39	156.94	312.04	− 4	+ 9
	29	181.78	60.55	18.81	845.02	964.10	362.67	156.65	312.29	− 6	+ 6
	30	−181.61	+60.28	+18.98	+844.75	−963.93	−362.94	−156.36	−312.53	− 7	+ 3
	31	181.44	60.01	19.15	844.48	963.76	363.21	156.06	312.77	− 7	− 1
Febr.	1	181.27	59.75	19.32	844.22	963.59	363.48	155.76	313.01	− 6	− 5
	2	181.09	59.49	19.50	843.96	963.41	363.74	155.46	313.24	− 3	− 9
	3	180.90	59.23	19.69	843.70	963.22	364.00	155.15	313.47	+ 1	−10
	4	−180.71	+58.98	+19.88	+843.45	−963.03	−364.25	−154.84	−313.69	+ 6	−10
	5	180.52	58.73	20.07	843.20	962.84	364.50	154.52	313.91	+ 9	− 7
	6	−180.32	+58.49	+20.27	+842.96	−962.64	−364.74	−154.20	−314.12	+12	− 3
Mittl. Ort		−159″.38	+79″.18	+41″.26	+863″.62	−941″.71	−343″.97	−147″.05	−307″.50		

*) Die Vorzeichen gelten für die drei nördlichen Sterne, für den südlichen sind sie umzukehren.

Polnahe Sterne 1934

Koordinaten der scheinbaren Örter für 12^h Sternzeit Greenwich

Tag	BD +89° 1 Gr. $10^m.56$		BD +89° 3 Gr. $9^m.06$		BD +89° 37 Gr. $10^m.06$		CPD −89° 38 Gr. $9^m.5$		Kurzperiod. Nutationsgl.*)	
1934	x	y	x	y	x	y	x	y	in 0".01	
Febr. 6	−180".32	+58".49	+20".27	+842".96	−962".64	−364".74	−154".20	−314".12	+12	− 3
7	180.11	58.25	20.48	842.72	962.43	364.98	153.88	314.33	+12	+ 2
8	179.90	58.01	20.69	842.48	962.22	365.22	153.55	314.54	+10	+ 7
9	179.69	57.78	20.90	842.25	962.01	365.45	153.22	314.74	+ 6	+10
10	179.47	57.55	21.12	842.03	961.79	365.68	152.89	314.94	+ 1	+11
11	−179.25	+57.33	+21.34	+841.81	−961.57	−365.90	−152.55	−315.13	− 4	+ 9
12	179.02	57.11	21.57	841.59	961.34	366.12	152.21	315.32	− 8	+ 5
13	178.78	56.90	21.81	841.38	961.10	366.33	151.86	315.50	−10	0
14	178.55	56.70	22.04	841.18	960.87	366.53	151.52	315.68	−10	− 5
15	178.31	56.50	22.28	840.98	960.63	366.73	151.16	315.86	− 8	− 9
16	−178.06	+56.30	+22.53	+840.78	−960.38	−366.93	−150.81	−316.03	− 4	−11
17	177.81	56.11	22.78	840.59	960.13	367.12	150.45	316.20	0	−10
18	177.56	55.92	23.03	840.40	959.88	367.31	150.09	316.36	+ 4	− 8
19	177.30	55.74	23.29	840.22	959.62	367.49	149.73	316.52	+ 6	− 3
20	177.04	55.57	23.55	840.05	959.36	367.67	149.36	316.67	+ 6	+ 1
21	−176.78	+55.40	+23.81	+839.88	−959.09	−367.84	−149.00	−316.82	+ 5	+ 5
22	176.51	55.23	24.08	839.71	958.83	368.00	148.63	316.96	+ 3	+ 8
23	176.24	55.08	24.35	839.56	958.55	368.16	148.26	317.10	0	+10
24	175.97	54.92	24.62	839.40	958.28	368.31	147.89	317.23	− 3	+ 9
25	175.69	54.78	24.90	839.26	958.00	368.46	147.52	317.36	− 6	+ 7
26	−175.41	+54.64	+25.18	+839.12	−957.73	−368.60	−147.14	−317.48	− 7	+ 4
27	175.13	54.51	25.46	838.99	957.45	368.74	146.76	317.60	− 8	0
28	174.84	54.38	25.75	838.86	957.17	368.87	146.38	317.71	− 7	− 4
März 1	174.55	54.25	26.04	838.73	956.88	368.99	146.00	317.82	− 4	− 7
2	174.26	54.14	26.33	838.62	956.59	369.11	145.61	317.93	− 1	−10
3	−173.97	+54.03	+26.62	+838.51	−956.30	−369.22	−145.23	−318.02	+ 3	−10
4	173.67	53.92	26.91	838.40	956.00	369.32	144.84	318.12	+ 7	− 8
5	173.38	53.82	27.20	838.30	955.71	369.42	144.46	318.21	+10	− 5
6	173.08	53.73	27.50	838.21	955.41	369.52	144.07	318.29	+12	0
7	172.78	53.64	27.80	838.12	955.11	369.61	143.68	318.37	+11	+ 5
8	−172.48	+53.56	+28.10	+838.04	−954.80	−369.69	−143.29	−318.44	+ 7	+ 9
9	172.18	53.49	28.40	837.97	954.50	369.76	142.90	318.51	+ 3	+11
10	171.87	53.42	28.71	837.90	954.19	369.83	142.50	318.57	− 2	+10
11	171.56	53.36	29.01	837.84	953.88	369.89	142.11	318.63	− 7	+ 7
12	171.26	53.30	29.32	837.79	953.58	369.95	141.72	318.69	−10	+ 2
13	−170.95	+53.25	+29.63	+837.74	−953.27	−370.00	−141.32	−318.74	−10	− 3
14	170.64	53.21	29.93	837.69	952.96	370.04	140.93	318.78	− 8	− 8
15	−170.33	+53.17	+30.24	+837.66	−952.65	−370.08	−140.54	−318.82	− 5	−10
Mittl. Ort	−159".38	+79".18	+41".26	+863".62	−941".71	−343".97	−147".05	−307".50		

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Polnahe Sterne 1934

Koordinaten der scheinbaren Örter für 12^h Sternzeit Greenwich

Tag	BD +89° 1 Gr. 10.ᵐ56		BD +89° 3 Gr. 9.ᵐ06		BD +89° 37 Gr. 10.ᵐ06		CPD −89° 38 Gr. 9.ᵐ5		Kurzperiod. Nutationsgl.*)	
1934	x	y	x	y	x	y	x	y	in 0.″01	
März 15	−170.″33	+53.″17	+30.″24	+837.″66	−952.″65	−370.″08	−140.″54	−318.″82	− 5	−10
16	170.02	53.14	30.56	837.62	952.34	370.11	140.14	318.86	− 1	−11
17	169.70	53.11	30.87	837.60	952.02	370.14	139.75	318.89	+ 3	− 9
18	169.39	53.09	31.18	837.58	951.71	370.16	139.35	318.91	+ 6	− 5
19	169.08	53.08	31.49	837.57	951.40	370.17	138.96	318.93	+ 7	0
20	−168.77	+53.07	+31.80	+837.56	−951.09	−370.18	−138.56	−318.94	+ 6	+ 4
21	168.46	53.08	32.11	837.57	950.78	370.17	138.17	318.95	+ 4	+ 8
22	168.15	53.08	32.42	837.57	950.47	370.17	137.77	318.96	+ 1	+ 9
23	167.84	53.10	32.73	837.59	950.16	370.15	137.38	318.96	− 2	+10
23	167.53	53.12	33.04	837.61	949.84	370.13	136.98	318.95	− 5	+ 8
24	−167.22	+53.14	+33.35	+837.63	−949.53	−370.11	−136.59	−318.94	− 7	+ 5
25	166.91	53.17	33.66	837.66	949.22	370.08	136.19	318.93	− 8	+ 2
26	166.60	53.21	33.97	837.70	948.91	370.04	135.80	318.91	− 7	− 2
27	166.29	53.25	34.28	837.74	948.60	370.00	135.40	318.88	− 5	− 6
28	165.98	53.30	34.59	837.79	948.29	369.95	135.01	318.85	− 2	− 9
29	−165.67	+53.36	+34.90	+837.85	−947.98	−369.89	−134.62	−318.82	+ 2	−10
30	165.37	53.42	35.20	837.91	947.68	369.83	134.22	318.78	+ 6	− 9
31	165.07	53.49	35.50	837.98	947.38	369.76	133.83	318.74	+ 9	− 6
April 1	164.77	53.56	35.80	838.05	947.08	369.69	133.45	318.69	+11	− 2
2	164.47	53.64	36.10	838.13	946.78	369.61	133.06	318.64	+11	+ 3
3	−164.17	+53.73	+36.40	+838.22	−946.48	−369.52	−132.67	−318.58	+ 8	+ 7
4	163.87	53.82	36.70	838.31	946.18	369.43	132.29	318.51	+ 4	+10
5	163.58	53.92	36.99	838.41	945.89	369.33	131.90	318.44	− 1	+11
6	163.29	54.02	37.28	838.51	945.60	369.23	131.52	318.37	− 6	+ 9
7	163.00	54.13	37.57	838.62	945.31	369.12	131.14	318.29	− 9	+ 4
8	−162.71	+54.25	+37.86	+838.73	−945.02	−369.01	−130.76	−318.21	−10	− 1
9	162.42	54.37	38.14	838.85	944.73	368.89	130.38	318.12	− 9	− 6
10	162.14	54.49	38.42	838.98	944.45	368.76	130.01	318.03	− 6	−10
11	161.86	54.63	38.70	839.11	944.17	368.63	129.64	317.93	− 2	−11
12	161.58	54.76	38.98	839.24	943.89	368.50	129.27	317.83	+ 2	−10
13	−161.31	+54.90	+39.25	+839.39	−943.62	−368.35	−128.90	−317.73	+ 5	− 7
14	161.04	55.05	39.53	839.53	943.35	368.21	128.53	317.62	+ 7	− 2
15	160.77	55.20	39.80	839.69	943.08	368.05	128.16	317.51	+ 7	+ 2
16	160.50	55.36	40.06	839.85	942.81	367.89	127.80	317.39	+ 5	+ 6
17	160.24	55.52	40.32	840.02	942.55	367.72	127.44	317.27	+ 3	+ 9
18	−159.98	+55.69	+40.58	+840.19	−942.29	−367.55	−127.08	−317.14	− 1	+10
19	159.73	55.86	40.83	840.36	942.04	367.38	126.73	317.01	− 4	+ 9
20	−159.47	+56.04	+41.09	+840.54	−941.78	−367.20	−126.38	−316.87	− 6	+ 7
Mittl. Ort	−159.″38	+79.″18	+41.″26	+863.″62	−941.″71	−343.″97	−147.″05	−307.″50		

*) Die Vorzeichen gelten für die drei nördlichen Sterne, für den südlichen sind sie umzukehren.

Polnahe Sterne 1934

Koordinaten der scheinbaren Örter für 12^{h} Sternzeit Greenwich

Tag	BD +89° 1 Gr. $10^{m}.56$		BD +89° 3 Gr. $9^{m}.06$		BD +89° 37 Gr. $10^{m}.06$		CPD −89° 38 Gr. $9^{m}.5$		Kurzperiod. Nutationsgl.*)	
1934	x	y	x	y	x	y	x	y	in 0.″01	
April 20	−159.″47	+56.″04	+41.″09	+840.″54	−941.″78	−367.″20	−126.″38	−316.″87	− 6	+ 7
21	159.23	56.23	41.33	840.72	941.54	367.02	126.03	316.73	− 7	+ 3
22	158.98	56.41	41.58	840.91	941.29	366.83	125.68	316.58	− 7	− 1
23	158.74	56.61	41.82	841.11	941.05	366.63	125.34	316.43	− 6	− 5
24	158.50	56.81	42.06	841.30	940.81	366.44	124.99	316.28	− 3	− 8
25	−158.27	+57.01	+42.29	+841.50	−940.58	−366.24	−124.66	−316.12	+ 1	−10
26	158.04	57.22	42.52	841.71	940.35	366.03	124.32	315.96	+ 5	−10
27	157.82	57.43	42.74	841.92	940.12	365.82	123.99	315.79	+ 8	− 7
28	157.60	57.65	42.96	842.14	939.90	365.60	123.66	315.62	+11	− 4
29	157.38	57.87	43.18	842.36	939.69	365.39	123.33	315.45	+11	+ 1
30	−157.17	+58.09	+43.39	+842.58	−939.47	−365.16	−123.01	−315.27	+ 9	+ 6
Mai 1	156.96	58.32	43.60	842.81	939.26	364.93	122.69	315.09	+ 6	+ 9
2	156.76	58.55	43.80	843.04	939.06	364.70	122.37	314.90	+ 1	+11
3	156.56	58.79	44.00	843.28	938.86	364.47	122.06	314.72	− 4	+10
4	156.37	59.03	44.19	843.52	938.67	364.22	121.75	314.52	− 8	+ 6
5	−156.18	+59.28	+44.38	+843.77	−938.48	−363.98	−121.44	−314.33	−11	+ 1
6	155.99	59.53	44.57	844.02	938.29	363.73	121.14	314.13	−11	− 4
7	155.81	59.78	44.75	844.27	938.11	363.48	120.84	313.93	− 8	− 8
8	155.64	60.04	44.92	844.52	937.93	363.22	120.55	313.72	− 4	−11
9	155.47	60.29	45.09	844.78	937.76	362.96	120.25	313.51	0	−11
10	−155.30	+60.56	+45.26	+845.04	−937.60	−362.69	−119.97	−313.30	+ 4	− 8
11	155.14	60.82	45.41	845.31	937.44	362.43	119.69	313.08	+ 6	− 4
12	154.99	61.09	45.57	845.57	937.28	362.16	119.41	312.86	+ 7	+ 1
13	154.84	61.36	45.72	845.85	937.13	361.89	119.13	312.63	+ 6	+ 5
14	154.69	61.64	45.86	846.12	936.99	361.62	118.87	312.41	+ 4	+ 8
15	−154.55	+61.92	+46.00	+846.40	−936.85	−361.34	−118.60	−312.17	+ 1	+10
16	154.42	62.20	46.13	846.68	936.71	361.06	118.34	311.94	− 3	+10
17	154.29	62.48	46.26	846.96	936.58	360.78	118.08	311.70	− 5	+ 8
18	154.16	62.77	46.38	847.25	936.45	360.49	117.83	311.46	− 7	+ 4
19	154.05	63.06	46.50	847.54	936.33	360.20	117.58	311.22	− 7	+ 1
20	−153.93	+63.35	+46.61	+847.83	−936.22	−359.91	−117.34	−310.97	− 6	− 4
21	153.83	63.64	46.72	848.12	936.11	359.62	117.10	310.72	− 4	− 7
22	153.73	63.94	46.82	848.42	936.01	359.32	116.86	310.47	0	− 9
23	153.63	64.23	46.91	848.71	935.91	359.03	116.63	310.22	+ 3	−10
24	153.54	64.53	47.00	849.01	935.82	358.73	116.40	309.96	+ 7	− 9
25	−153.46	+64.83	+47.08	+849.31	−935.74	−358.43	−116.18	−309.70	+10	− 5
26	153.38	65.13	47.16	849.61	935.66	358.13	115.96	309.44	+12	− 1
27	−153.31	+65.44	+47.23	+849.92	−935.58	−357.82	−115.75	−309.17	+11	+ 4
Mittl. Ort	−159.″38	+79.″18	+41.″26	+863.″62	−941.″71	−343.″97	−147.″05	−307.″50		

*) Die Vorzeichen gelten für die drei nördlichen Sterne, für den südlichen sind sie umzukehren.

Polnahe Sterne 1934

Koordinaten der scheinbaren Örter für 12^{h} Sternzeit Greenwich

Tag		BD +89° 1 Gr. $10^{m}.56$		BD +89° 3 Gr. $9^{m}.06$		BD +89° 37 Gr. $10^{m}.06$		CPD −89° 38 Gr. $9^{m}.5$		Kurzperiod. Nutationsgl.*)	
1934		x	y	x	y	x	y	x	y	in 0″.01	
Mai	27	−153″.31	+65″.44	+47″.23	+849″.92	−935″.58	−357″.82	−115″.75	−309″.17	+11	+ 4
	28	153.24	65.74	47.30	850.22	935.51	357.52	115.54	308.90	+ 8	+ 8
	29	153.17	66.05	47.36	850.53	935.45	357.21	115.34	308.63	+ 3	+10
	30	153.12	66.36	47.42	850.84	935.39	356.90	115.14	308.36	− 2	+10
	31	153.07	66.67	47.47	851.15	935.34	356.59	114.95	308.08	− 7	+ 8
Juni	1	−153.02	+66.98	+47.51	+851.46	−935.30	−356.28	−114.76	−307.81	−10	+ 3
	2	152.98	67.30	47.55	851.77	935.26	355.97	114.58	307.53	−11	− 2
	3	152.95	67.61	47.58	852.08	935.22	355.66	114.40	307.25	−10	− 7
	4	152.92	67.92	47.61	852.40	935.19	355.34	114.23	306.96	− 7	−10
	5	152.90	68.24	47.63	852.71	935.17	355.03	114.06	306.68	− 2	−11
	6	−152.88	+68.56	+47.65	+853.03	−935.15	−354.71	−113.90	−306.40	+ 2	− 9
	7	152.87	68.88	47.66	853.35	935.14	354.39	113.74	306.11	+ 5	− 6
	8	152.87	69.19	47.66	853.67	935.14	354.08	113.59	305.82	+ 7	− 1
	9	152.87	69.51	47.66	853.99	935.14	353.76	113.45	305.53	+ 6	+ 4
	10	152.88	69.83	47.65	854.31	935.14	353.44	113.31	305.24	+ 5	+ 7
	11	−152.89	+70.15	+47.64	+854.63	−935.15	−353.12	−113.17	−304.94	+ 2	+ 9
	12	152.91	70.47	47.62	854.94	935.17	352.80	113.04	304.65	− 2	+10
	13	152.93	70.79	47.60	855.26	935.19	352.48	112.92	304.35	− 5	+ 8
	14	152.96	71.11	47.57	855.58	935.22	352.16	112.80	304.05	− 7	+ 6
	15	153.00	71.43	47.53	855.90	935.26	351.84	112.68	303.75	− 7	+ 2
	16	−153.04	+71.75	+47.49	+856.22	−935.30	−351.52	−112.57	−303.45	− 7	− 2
	17	153.09	72.07	47.44	856.54	935.34	351.20	112.47	303.15	− 5	− 6
	18	153.14	72.39	47.39	856.86	935.40	350.87	112.37	302.85	− 2	− 8
	19	153.20	72.71	47.33	857.18	935.45	350.55	112.28	302.55	+ 2	−10
	20	153.26	73.02	47.26	857.49	935.52	350.24	112.20	302.24	+ 6	− 9
	21	−153.33	+73.34	+47.19	+857.81	−935.59	−349.92	−112.12	−301.94	+10	− 7
	22	153.41	73.66	47.12	858.13	935.66	349.60	112.04	301.63	+12	− 3
	23	153.49	73.98	47.03	858.45	935.74	349.29	111.98	301.33	+12	+ 2
	24	153.58	74.29	46.94	858.76	935.83	348.97	111.92	301.02	+10	+ 6
	25	153.67	74.61	46.85	859.08	935.92	348.66	111.86	300.71	+ 6	+10
	26	−153.77	+74.92	+46.75	+859.39	−936.02	−348.35	−111.81	−300.40	+ 1	+11
	27	153.87	75.24	46.64	859.71	936.12	348.03	111.76	300.10	− 5	+ 9
	28	153.98	75.55	46.53	860.02	936.23	347.72	111.72	299.79	− 9	+ 5
	29	154.10	75.86	46.42	860.33	936.34	347.41	111.69	299.49	−11	0
	30	154.22	76.17	46.30	860.64	936.46	347.10	111.66	299.18	−11	− 5
Juli	1	−154.34	+76.48	+46.17	+860.95	−936.58	−346.79	−111.63	−298.87	− 8	− 9
	2	154.47	76.78	46.04	861.25	936.71	346.49	111.62	298.56	− 4	−11
	3	−154.61	+77.09	+45.91	+861.56	−936.85	−346.18	−111.60	−298.26	0	−10
Mittl. Ort		−159″.38	+79″.18	+41″.26	+863″.62	−941″.71	−343″.97	−147″.05	−307″.50		

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Polnahe Sterne 1934

Koordinaten der scheinbaren Örter für 12^{h} Sternzeit Greenwich

Tag		BD +89° 1 Gr. $10^{\mathrm{m}}.56$		BD +89° 3 Gr. $9^{\mathrm{m}}.06$		BD +89° 37 Gr. $10^{\mathrm{m}}.06$		CPD −89° 38 Gr. $9^{\mathrm{m}}.5$		Kurzperiod. Nutationsgl.*)	
1934		*x*	*y*	*x*	*y*	*x*	*y*	*x*	*y*	in 0.″01	
Juli	3	−154.″61	+77.″09	+45.″91	+861.″56	−936.″85	−346.″18	−111.″60	−298.″26	0	−10
	4	154.75	77.40	45.77	861.87	936.99	345.87	111.60	297.95	+ 4	− 7
	5	154.89	77.70	45.62	862.17	937.13	345.57	111.60	297.64	+ 6	− 3
	6	155.04	78.00	45.47	862.47	937.28	345.27	111.61	297.34	+ 6	+ 2
	7	155.20	78.30	45.31	862.77	937.44	344.97	111.62	297.03	+ 5	+ 6
	8	−155.36	+78.60	+45.15	+863.07	−937.60	−344.67	−111.63	−296.73	+ 2	+ 9
	9	155.53	78.89	44.98	863.36	937.76	344.38	111.66	296.43	− 1	+10
	10	155.70	79.19	44.81	863.65	937.94	344.09	111.69	296.13	− 4	+ 9
	11	155.88	79.48	44.63	863.94	938.11	343.80	111.72	295.83	− 6	+ 7
	12	156.06	79.77	44.45	864.23	938.29	343.51	111.76	295.53	− 8	+ 4
	13	−156.25	+80.06	+44.26	+864.52	−938.48	−343.22	−111.81	−295.23	− 8	− 1
	14	156.44	80.35	44.07	864.81	938.67	342.93	111.86	294.94	− 6	− 4
	15	156.64	80.63	43.87	865.09	938.87	342.65	111.92	294.64	− 3	− 8
	16	156.84	80.91	43.67	865.37	939.07	342.37	111.98	294.35	0	−10
	17	157.05	81.19	43.46	865.65	939.28	342.09	112.05	294.05	+ 4	−10
	18	−157.26	+81.47	+43.24	+865.93	−939.49	−341.82	−112.12	−293.77	+ 8	− 8
	19	157.48	81.74	43.03	866.20	939.71	341.55	112.20	293.48	+11	− 4
	20	157.70	82.01	42.80	866.47	939.93	341.28	112.29	293.19	+13	0
	21	157.93	82.28	42.58	866.74	940.15	341.01	112.38	292.91	+11	+ 5
	22	158.16	82.54	42.35	867.00	940.38	340.75	112.47	292.63	+ 8	+ 9
	23	−158.39	+82.80	+42.11	+867.26	−940.61	−340.48	−112.58	−292.34	+ 4	+10
	24	158.63	83.06	41.87	867.52	940.85	340.23	112.69	292.07	− 2	+10
	25	158.87	83.32	41.63	867.78	941.09	339.97	112.80	291.79	− 6	+ 7
	26	159.12	83.57	41.38	868.03	941.34	339.72	112.92	291.52	−10	+ 2
	27	159.37	83.83	41.13	868.29	941.59	339.46	113.04	291.25	−10	− 3
	28	−159.62	+84.07	+40.87	+868.53	−941.84	−339.22	−113.17	−290.98	− 9	− 8
	29	159.88	84.32	40.61	868.78	942.10	338.97	113.30	290.71	− 6	−10
	30	160.14	84.56	40.35	869.02	942.36	338.73	113.44	290.45	− 2	−11
	31	160.41	84.80	40.08	869.26	942.63	338.49	113.58	290.19	+ 2	− 9
Aug.	1	160.69	85.03	39.81	869.49	942.91	338.26	113.73	289.93	+ 5	− 5
	2	−160.96	+85.26	+39.53	+869.72	−943.18	−338.03	−113.88	−289.68	+ 6	0
	3	161.24	85.49	39.25	869.95	943.46	337.80	114.04	289.43	+ 5	+ 4
	4	161.53	85.71	38.96	870.17	943.75	337.58	114.20	289.18	+ 3	+ 8
	5	161.82	85.93	38.67	870.39	944.04	337.36	114.37	288.94	0	+10
	6	162.11	86.15	38.38	870.61	944.33	337.14	114.54	288.70	− 3	+10
	7	−162.41	+86.36	+38.08	+870.82	−944.63	−336.92	−114.72	−288.46	− 6	+ 8
	8	162.70	86.57	37.78	871.03	944.92	336.71	114.90	288.23	− 8	+ 5
	9	−163.01	+86.77	+37.48	+871.23	−945.23	−336.50	−115.09	−288.00	− 8	+ 1
Mittl. Ort		−159.″38	+79.″18	+41.″26	+863.″62	−941.″71	−343.″97	−147.″05	−307.″50		

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Polnahe Sterne 1934

Koordinaten der scheinbaren Örter für 12^h Sternzeit Greenwich

Tag	BD +89° 1 Gr. $10^{m}.56$		BD +89° 3 Gr. $9^{m}.06$		BD +89° 37 Gr. $10^{m}.06$		CPD −89° 38 Gr. $9^{m}.5$		Kurzperiod. Nutationsgl.*)	
1934	x	y	x	y	x	y	x	y	in 0.″01	
Aug. 9	−163.″01	+86.″77	+37.″48	+871.″23	−945.″23	−336.″50	−115.″09	−288.″00	− 8	+ 1
10	163.31	86.98	37.17	871.44	945.53	336.30	115.28	287.77	− 7	− 3
11	163.62	87.17	36.86	871.63	945.84	336.10	115.48	287.55	− 5	− 6
12	163.93	87.37	36.55	871.83	946.15	335.91	115.68	287.33	− 2	− 9
13	164.25	87.56	36.23	872.02	946.47	335.72	115.88	287.11	+ 2	−10
14	−164.57	+87.75	+35.91	+872.21	−946.79	−335.53	−116.09	−286.90	+ 7	− 9
15	164.89	87.94	35.59	872.39	947.11	335.35	116.31	286.69	+10	− 6
16	165.22	88.12	35.26	872.57	947.44	335.17	116.52	286.49	+12	− 2
17	165.55	88.29	34.93	872.75	947.77	334.99	116.75	286.30	+12	+ 3
18	165.88	88.47	34.60	872.92	948.10	334.82	116.97	286.10	+10	+ 7
19	−166.22	+88.64	+34.26	+873.09	−948.44	−334.65	−117.20	−285.91	+ 6	+10
20	166.55	88.80	33.93	873.25	948.77	334.49	117.43	285.73	+ 1	+10
21	166.89	88.96	33.59	873.41	949.11	334.33	117.67	285.55	− 4	+ 8
22	167.24	89.11	33.24	873.56	949.46	334.18	117.91	285.38	− 8	+ 4
23	167.58	89.26	32.90	873.71	949.80	334.03	118.15	285.21	− 9	− 1
24	−167.93	+89.41	+32.55	+873.86	−950.15	−333.88	−118.40	−285.04	− 9	− 6
25	168.28	89.55	32.20	874.00	950.50	333.74	118.65	284.88	− 6	− 9
26	168.64	89.69	31.84	874.14	950.85	333.60	118.91	284.72	− 3	−11
27	168.99	89.83	31.49	874.28	951.21	333.47	119.17	284.57	+ 1	−10
28	169.35	89.96	31.13	874.41	951.57	333.34	119.43	284.43	+ 5	− 6
29	−169.71	+90.08	+30.77	+874.53	−951.93	−333.21	−119.70	−284.29	+ 6	− 2
30	170.07	90.21	30.41	874.66	952.29	333.09	119.96	284.15	+ 6	+ 3
31	170.44	90.32	30.04	874.77	952.65	332.97	120.23	284.02	+ 4	+ 7
Sept. 1	170.80	90.44	29.68	874.89	953.01	332.86	120.51	283.90	+ 1	+ 9
2	171.17	90.55	29.31	875.00	953.38	332.75	120.78	283.78	− 2	+10
3	−171.54	+90.65	+28.94	+875.10	−953.75	−332.65	−121.06	−283.66	− 5	+ 9
4	171.91	90.75	28.57	875.20	954.12	332.55	121.34	283.55	− 8	+ 6
5	172.29	90.84	28.19	875.29	954.50	332.45	121.62	283.44	− 9	+ 2
6	172.66	90.93	27.81	875.38	954.87	332.36	121.91	283.35	− 8	− 2
7	173.04	91.01	27.44	875.46	955.24	332.28	122.20	283.25	− 6	− 5
8	−173.42	+91.09	+27.06	+875.54	−955.62	−332.20	−122.49	−283.17	− 3	− 8
9	173.79	91.17	26.68	875.62	956.00	332.12	122.78	283.09	0	−10
10	174.17	91.24	26.30	875.69	956.38	332.05	123.07	283.01	+ 4	− 9
11	174.56	91.31	25.92	875.76	956.76	331.99	123.36	282.94	+ 8	− 7
12	174.94	91.37	25.53	875.82	957.14	331.93	123.66	282.88	+11	− 4
13	−175.32	+91.43	+25.15	+875.88	−957.52	−331.87	−123.96	−282.82	+12	+ 1
14	175.71	91.48	24.76	875.93	957.90	331.82	124.26	282.77	+10	+ 6
15	−176.09	+91.53	+24.38	+875.98	−958.29	−331.77	−124.56	−282.72	+ 7	+ 9
Mittl. Ort	−159.″38	+79.″18	+41.″26	+863.″62	−941.″71	−343.″97	−147.″05	−307.″50		

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Polnahe Sterne 1934

Koordinaten der scheinbaren Örter für 12ʰ Sternzeit Greenwich

Tag	BD +89° 1 Gr. $10^{m}56$		BD +89° 3 Gr. $9^{m}06$		BD +89° 37 Gr. $10^{m}06$		CPD −89° 38 Gr. $9^{m}5$		Kurzperiod. Nutationsgl.*)	
1934	x	y	x	y	x	y	x	y	in 0″.01	
Sept. 15	−176″.09	+91″.53	+24″.38	+875″.98	−958″.29	−331″.77	−124″.56	−282″.72	+ 7	+ 9
16	176.48	91.58	23.99	876.03	958.67	331.72	124.86	282.68	+ 3	+10
17	176.87	91.62	23.60	876.07	959.06	331.68	125.16	282.65	− 2	+10
18	177.26	91.65	23.21	876.10	959.45	331.65	125.47	282.62	− 6	+ 6
19	177.64	91.68	22.83	876.13	959.83	331.62	125.77	282.60	− 9	+ 1
20	−178.03	+91.70	+22.44	+876.15	−960.22	−331.60	−126.08	−282.58	− 9	− 4
21	178.42	91.72	22.05	876.17	960.62	331.58	126.38	282.57	− 7	− 8
22	178.81	91.73	21.66	876.18	961.01	331.57	126.69	282.57	− 3	−11
23	179.20	91.74	21.27	876.19	961.40	331.56	127.00	282.57	+ 1	−11
24	179.59	91.75	20.88	876.20	961.79	331.55	127.31	282.58	+ 4	− 8
25	−179.98	+91.75	+20.49	+876.20	−962.18	−331.55	−127.61	−282.59	+ 6	− 4
26	180.37	91.74	20.10	876.20	962.57	331.56	127.92	282.61	+ 7	+ 1
27	180.76	91.73	19.71	876.19	962.96	331.57	128.22	282.64	+ 5	+ 5
28	181.15	91.72	19.32	876.17	963.35	331.58	128.53	282.67	+ 2	+ 9
29	181.54	91.70	18.93	876.16	963.74	331.60	128.84	282.71	− 1	+10
30	−181.93	+91.67	+18.54	+876.13	−964.13	−331.63	−129.15	−282.75	− 4	+ 9
Okt. 1	182.32	91.64	18.15	876.10	964.52	331.66	129.45	282.80	− 7	+ 7
2	182.71	91.61	17.76	876.07	964.91	331.69	129.76	282.86	− 9	+ 4
3	183.10	91.57	17.37	876.03	965.30	331.73	130.07	282.92	− 9	0
4	183.49	91.52	16.98	875.99	965.69	331.77	130.38	282.99	− 7	− 4
5	−183.88	+91.47	+16.59	+875.94	−966.08	−331.82	−130.68	−283.06	− 5	− 7
6	184.26	91.42	16.21	875.89	966.46	331.87	130.98	283.15	− 1	− 9
7	184.65	91.36	15.82	875.83	966.85	331.93	131.28	283.23	+ 3	− 9
8	185.03	91.30	15.44	875.77	967.23	331.99	131.58	283.33	+ 7	− 8
9	185.42	91.23	15.05	875.70	967.62	332.06	131.87	283.43	+10	− 5
10	−185.80	+91.16	+14.67	+875.63	−968.00	−332.13	−132.17	−283.53	+11	− 1
11	186.18	91.08	14.29	875.55	968.38	332.21	132.46	283.64	+11	+ 4
12	186.56	91.00	13.91	875.47	968.76	332.29	132.75	283.76	+ 8	+ 8
13	186.94	90.92	13.53	875.38	969.14	332.38	133.04	283.88	+ 4	+10
14	187.32	90.83	13.15	875.29	969.52	332.47	133.33	284.01	− 1	+10
15	−187.69	+90.73	+12.77	+875.19	−969.89	−332.57	−133.61	−284.14	− 5	+ 8
16	188.07	90.63	12.40	875.09	970.27	332.67	133.89	284.28	− 8	+ 4
17	188.44	90.52	12.03	874.98	970.64	332.77	134.17	284.43	− 9	− 2
18	188.81	90.41	11.66	874.87	971.01	332.89	134.44	284.58	− 8	− 7
19	189.18	90.29	11.29	874.75	971.38	333.00	134.72	284.73	− 5	−10
20	−189.54	+90.17	+10.92	+874.63	−971.74	−333.12	−134.99	−284.90	− 1	−11
21	189.91	90.05	10.55	874.51	972.11	333.25	135.25	285.06	+ 3	− 9
22	−190.27	+89.92	+10.19	+874.38	−972.47	−333.38	−135.52	−285.24	+ 6	− 6
Mittl. Ort	−159″.38	+79″.18	+41″.26	+863″.62	−941″.71	−343″.97	−147″.05	−307″.50		

*) Die Vorzeichen gelten für die drei nördlichen Sterne, für den südlichen sind sie umzukehren.

Polnahe Sterne 1934

Koordinaten der scheinbaren Örter für 12^h Sternzeit Greenwich

Tag	BD +89° 1 Gr. 10^m56		BD +89° 3 Gr. 9^m06		BD +89° 37 Gr. 10^m06		CPD −89° 38 Gr. 9^m5		Kurzperiod. Nutationsgl.*)	
1934	x	y	x	y	x	y	x	y	in 0.01"	
Okt. 22	−190.27"	+89.92"	+10.19"	+874.38"	−972.47"	−333.38"	−135.52"	−285.24"	+ 6	− 6
23	190.63	89.79	9.83	874.25	972.83	333.52	135.78	285.42	+ 7	− 1
24	190.99	89.65	9.47	874.11	973.19	333.66	136.04	285.61	+ 6	+ 4
25	191.34	89.51	9.11	873.97	973.54	333.81	136.29	285.80	+ 4	+ 8
26	191.70	89.36	8.76	873.82	973.90	333.95	136.54	285.99	+ 1	+10
27	−192.05	+89.21	+ 8.41	+873.67	−974.25	−334.11	−136.79	−286.19	− 3	+10
28	192.39	89.05	8.06	873.51	974.59	334.27	137.03	286.40	− 6	+ 8
29	192.74	88.89	7.72	873.35	974.94	334.43	137.27	286.61	− 8	+ 5
30	193.08	88.72	7.37	873.18	975.28	334.59	137.50	286.82	− 9	+ 1
31	193.42	88.55	7.03	873.01	975.62	334.77	137.74	287.04	− 8	− 3
Nov. 1	−193.76	+88.38	+ 6.69	+872.84	−975.96	−334.94	−137.96	−287.27	− 6	− 6
2	194.09	88.20	6.36	872.66	976.29	335.12	138.19	287.50	− 3	− 9
3	194.42	88.02	6.03	872.48	976.62	335.30	138.41	287.74	+ 1	−10
4	194.75	87.83	5.70	872.29	976.95	335.49	138.62	287.98	+ 5	− 9
5	195.07	87.64	5.38	872.10	977.27	335.68	138.83	288.22	+ 9	− 6
6	−195.39	+87.44	+ 5.06	+871.90	−977.59	−335.88	−139.04	−288.47	+11	− 2
7	195.71	87.24	4.75	871.70	977.90	336.08	139.24	288.72	+11	+ 2
8	196.02	87.03	4.43	871.50	978.22	336.29	139.43	288.98	+ 9	+ 6
9	196.33	86.82	4.13	871.29	978.52	336.50	139.62	289.24	+ 6	+ 9
10	196.64	86.61	3.82	871.08	978.83	336.71	139.81	289.51	+ 1	+10
11	−196.94	+86.39	+ 3.52	+870.86	−979.13	−336.93	−139.99	−289.78	− 4	+ 9
12	197.24	86.17	3.22	870.64	979.43	337.15	140.16	290.05	− 8	+ 5
13	197.53	85.94	2.93	870.41	979.72	337.37	140.33	290.33	−10	0
14	197.82	85.71	2.64	870.18	980.01	337.60	140.50	290.61	− 9	− 5
15	198.11	85.48	2.35	869.95	980.30	337.83	140.66	290.89	− 7	− 9
16	−198.39	+85.24	+ 2.07	+869.71	−980.58	−338.07	−140.81	−291.18	− 3	−11
17	198.66	85.00	1.80	869.47	980.85	338.31	140.96	291.47	+ 2	−10
18	198.94	84.76	1.52	869.23	981.13	338.56	141.10	291.76	+ 5	− 7
19	199.20	84.51	1.26	868.98	981.39	338.81	141.24	292.06	+ 7	− 3
20	199.47	84.26	0.99	868.73	981.66	339.06	141.37	292.36	+ 7	+ 2
21	−199.73	+84.01	+ 0.73	+868.48	−981.92	−339.32	−141.49	−292.66	+ 5	+ 6
22	199.98	83.75	0.48	868.22	982.17	339.58	141.61	292.97	+ 2	+ 9
23	200.23	83.49	+ 0.23	867.96	982.42	339.84	141.72	293.28	− 1	+10
24	200.47	83.22	− 0.01	867.69	982.66	340.11	141.83	293.59	− 5	+ 9
25	200.71	82.95	0.25	867.42	982.90	340.38	141.93	293.91	− 7	+ 7
26	−200.95	+82.68	− 0.49	+867.15	−983.14	−340.66	−142.02	−294.23	− 8	+ 3
27	201.17	82.40	0.72	866.88	983.37	340.93	142.11	294.55	− 8	− 1
28	−201.40	+82.13	− 0.94	+866.60	−983.59	−341.21	−142.19	−294.87	− 6	− 5
Mittl. Ort	−159.38"	+79.18"	+41.26"	+863.62"	−941.71"	−343.97"	−147.05"	−307.50"		

*) Die Vorzeichen gelten für die drei nördlichen Sterne, für den südlichen sind sie umzukehren.

Polnahe Sterne 1934

Koordinaten der scheinbaren Örter für 12^{h} Sternzeit Greenwich

Tag	BD +89° 1 Gr. 10^{m}.56		BD +89° 3 Gr. 9^{m}.06		BD +89° 37 Gr. 10^{m}.06		CPD −89° 38 Gr. 9^{m}.5		Kurzperiod. Nutationsgl.*)	
1934	x	y	x	y	x	y	x	y	in 0.″01	
Nov. 28	−201.″40	+82.″13	−0.″94	+866.″60	−983.″59	−341.″21	−142.″19	−294.″87	− 6	− 5
29	201.62	81.85	1.16	866.32	983.81	341.49	142.27	295.19	− 4	− 8
30	201.83	81.56	1.38	866.04	984.03	341.77	142.34	295.51	0	− 9
Dez. 1	202.04	81.28	1.59	865.76	984.24	342.06	142.40	295.84	+ 4	− 9
2	202.24	80.99	1.79	865.47	984.44	342.35	142.46	296.17	+ 8	− 7
3	−202.44	+80.70	−1.99	+865.18	−984.64	−342.64	−142.51	−296.50	+10	− 4
4	202.63	80.40	2.18	864.88	984.83	342.94	142.56	296.84	+11	0
5	202.81	80.10	2.37	864.58	985.01	343.24	142.59	297.17	+10	+ 5
6	202.99	79.80	2.55	864.28	985.19	343.54	142.62	297.50	+ 7	+ 8
7	203.17	79.50	2.72	863.98	985.37	343.84	142.65	297.84	+ 3	+10
8	−203.34	+79.19	−2.89	+863.68	−985.54	−344.15	−142.67	−298.18	− 2	+10
9	203.50	78.89	3.06	863.38	985.70	344.45	142.68	298.52	− 7	+ 7
10	203.66	78.58	3.21	863.07	985.86	344.76	142.68	298.86	− 9	+ 3
11	203.81	78.27	3.36	862.76	986.01	345.07	142.68	299.20	−10	− 3
12	203.95	77.96	3.51	862.45	986.15	345.38	142.67	299.54	− 9	− 7
13	−204.09	+77.64	−3.65	+862.14	−986.29	−345.70	−142.66	−299.88	− 5	−10
14	204.22	77.33	3.78	861.82	986.43	346.01	142.64	300.22	− 1	−10
15	204.34	77.01	3.90	861.50	986.55	346.33	142.61	300.56	+ 3	− 9
16	204.46	76.69	4.02	861.19	986.67	346.65	142.58	300.90	+ 6	− 5
17	204.58	76.37	4.14	860.87	986.79	346.97	142.54	301.24	+ 7	0
18	−204.69	+76.05	−4.25	+860.55	−986.90	−347.29	−142.49	−301.59	+ 6	+ 5
19	204.79	75.73	4.35	860.23	987.00	347.62	142.44	301.93	+ 3	+ 8
20	204.89	75.41	4.45	859.91	987.09	347.94	142.38	302.27	0	+10
21	204.98	75.08	4.54	859.58	987.18	348.26	142.31	302.61	− 4	+10
22	205.06	74.76	4.62	859.26	987.26	348.59	142.24	302.95	− 6	+ 8
23	−205.13	+74.43	−4.70	+858.93	−987.34	−348.92	−142.16	−303.29	− 8	+ 4
24	205.20	74.11	4.77	858.61	987.41	349.25	142.08	303.63	− 8	0
25	205.26	73.78	4.83	858.28	987.47	349.57	141.99	303.97	− 7	− 4
26	205.32	73.45	4.89	857.96	987.53	349.90	141.89	304.31	− 5	− 7
27	205.37	73.12	4.94	857.63	987.58	350.23	141.79	304.64	− 1	− 9
28	−205.41	+72.80	−4.98	+857.30	−987.62	−350.56	−141.68	−304.98	+ 3	− 9
29	205.45	72.47	5.02	856.97	987.66	350.89	141.56	305.31	+ 7	− 8
30	205.48	72.14	5.05	856.65	987.69	351.22	141.44	305.65	+10	− 6
31	205.51	71.81	5.07	856.32	987.71	351.55	141.31	305.98	+12	− 2
32	−205.53	+71.48	−5.09	+855.99	−987.73	−351.88	−141.17	−306.31	+12	+ 3
Mittl. Ort	−159.″38	+79.″18	+41.″26	+863.″62	−941.″71	−343.″97	−147.″05	−307.″50		

*) Die Vorzeichen gelten für die drei nördlichen Sterne, für den südlichen sind sie umzukehren.

Formeln

zur Reduktion auf den scheinbaren Ort

$$A = t - (0.34215 + 0.00031\,T)\sin\Omega + 0.00415\sin 2\Omega - 0.02526\sin 2L_\odot + 0.00251\sin M_\odot - 0.00099\sin(2L_\odot + M_\odot) + 0.00042\sin(2L_\odot - M_\odot) + 0.00025\sin(2L_\odot - \Omega)$$

$$A' = -0.00405\sin 2L_☾ + 0.00135\sin M_☾ - 0.00068\sin(2L_☾ - \Omega) - 0.00052\sin(2L_☾ + M_☾) + 0.00030\sin(2L_☾ - 2L_\odot - M_☾) + 0.00023\sin(2L_☾ - M_☾) + 0.00012\sin(2L_☾ - 2L_\odot)$$

$$B = -(9''.210 + 0''.001\,T)\cos\Omega + 0''.090\cos 2\Omega - 0''.551\cos 2L_\odot - 0''.022\cos(2L_\odot + M_\odot) + 0''.009\cos(2L_\odot - M_\odot) + 0''.007\cos(2L_\odot - \Omega)$$

$$B' = -0''.089\cos 2L_☾ - 0''.018\cos(2L_☾ - \Omega) - 0''.011\cos(2L_☾ + M_☾) + 0''.005\cos(2L_☾ - M_☾)$$

$$C = -20''.47\cos\odot\cos\varepsilon$$

$$D = -20''.47\sin\odot$$

$$E = -(0^s.0029 - 0^s.0004\,T)\sin\Omega$$

T Zeit seit 1900.0 in Einheiten von 100 tropischen Jahren,
t Zeit seit Beginn des annus fictus in Bruchteilen des tropischen Jahres;
$t = 0$ für 1934 Januar $1^d.0482$ Welt-Zeit.

$a = m + \frac{1}{15}n\sin\alpha\,\mathrm{tg}\,\delta$	$a' = n\cos\alpha$
$b = \frac{1}{15}\cos\alpha\,\mathrm{tg}\,\delta$	$b' = -\sin\alpha$
$c = \frac{1}{15}\cos\alpha\sec\delta$	$c' = \mathrm{tg}\,\varepsilon\cos\delta - \sin\alpha\sin\delta$
$d = \frac{1}{15}\sin\alpha\sec\delta$	$d' = \cos\alpha\sin\delta$

Für 1934.0 gilt: $m = +3^s.0730$, $n = +20''.044$, $\varepsilon = 23^\circ\,26'\,52''.34$

$$\alpha_{app.} = \alpha_{1934.0} + t\mu_\alpha + Aa + Bb + Cc + Dd + E + [A'a + B'b]$$
$$\delta_{app.} = \delta_{1934.0} + t\mu_\delta + Aa' + Bb' + Cc' + Dd' + [A'a' + B'b']$$

μ_α, μ_δ jährliche Eigenbewegung in Rektaszension, bez. Deklination.

Setzt man

$f = mA + E$	$f' = mA'$	$i = C\,\mathrm{tg}\,\varepsilon$
$g\sin G = B$	$g'\sin G' = B'$	$h\sin H = C$
$g\cos G = nA$	$g'\cos G' = nA'$	$h\cos H = D,$

so wird:

$$\alpha_{app.} = \alpha_{1934.0} + t\mu_\alpha + f + \tfrac{1}{15}g\sin(G+\alpha)\,\mathrm{tg}\,\delta + \tfrac{1}{15}h\sin(H+\alpha)\sec\delta + [f' + \tfrac{1}{15}g'\sin(G'+\alpha)\,\mathrm{tg}\,\delta]$$

$$\delta_{app.} = \delta_{1934.0} + t\mu_\delta + g\cos(G+\alpha) + h\cos(H+\alpha)\sin\delta + i\cos\delta + [g'\cos(G'+\alpha)]$$

Reduktionsgrößen 1934

für 12^h Sternzeit Greenwich

Welt-Zeit		t	log A	log B	log C	log D	E
1934							
Jan.	1.2	$\overset{a}{0}.0005$	9.33822	0.82400_n	0.51878_n	1.30427	$+\overset{s}{0}.0017$
	11.2	0.0278	9.40795	0.82698_n	0.81371_n	1.28330	17
	21.2	0.0551	9.46495	0.83334_n	0.97845_n	1.24667	17
	31.1	0.0824	9.51160	0.84161_n	1.08696_n	1.19162	17
Febr.	10.1	0.1097	9.54990	0.85034_n	1.16227_n	1.11284	17
	20.1	0.1370	9.58154	0.85806_n	1.21450_n	0.99991	+0.0018
März	2.1	0.1643	9.60817	0.86344_n	1.24881_n	0.82834	18
	12.0	0.1916	9.63127	0.86570_n	1.26802_n	0.51640	18
	22.0	0.2189	9.65223	0.86415_n	1.27365_n	9.39270_n	18
April	1.0	0.2462	9.67226	0.85878_n	1.26625_n	0.57415_n	18
	10.9	0.2735	9.69230	0.84954_n	1.24564_n	0.85285_n	+0.0019
	20.9	0.3008	9.71301	0.83708_n	1.21064_n	1.01178_n	19
	30.9	0.3281	9.73472	0.82243_n	1.15899_n	1.11767_n	19
Mai	10.9	0.3554	9.75744	0.80638_n	1.08632_n	1.19209_n	19
	20.8	0.3827	9.78097	0.79050_n	0.98426_n	1.24465_n	19
	30.8	0.4100	9.80487	0.77612_n	0.83436_n	1.28033_n	+0.0020
Juni	9.8	0.4373	9.82866	0.76448_n	0.58365_n	1.30188_n	20
	19.8	0.4646	9.85184	0.75648_n	9.86864_n	1.31078_n	20
	29.7	0.4920	9.87395	0.75289_n	0.37530	1.30765_n	20
Juli	9.7	0.5193	9.89460	0.75358_n	0.73376	1.29226_n	20
	19.7	0.5466	9.91354	0.75785_n	0.91981	1.26375_n	+0.0021
	29.6	0.5739	9.93063	0.76492_n	1.04084	1.22016_n	21
Aug.	8.6	0.6012	9.94581	0.77320_n	1.12581	1.15791_n	21
	18.6	0.6285	9.95919	0.78140_n	1.18665	1.07048_n	21
	28.6	0.6558	9.97096	0.78817_n	1.22935	0.94438_n	21
Sept.	7.5	0.6831	9.98144	0.79218_n	1.25696	0.74601_n	+0.0021
	17.5	0.7104	9.99100	0.79260_n	1.27124	0.33666_n	21
	27.5	0.7377	0.00006	0.78859_n	1.27279	0.11760	21
Okt.	7.5	0.7650	0.00908	0.78017_n	1.26152	0.67897	21
	17.4	0.7923	0.01847	0.76716_n	1.23654	0.90940	21
	27.4	0.8196	0.02853	0.75012_n	1.19584	1.05057	+0.0022
Nov.	6.4	0.8469	0.03948	0.73006_n	1.13590	1.14709	22
	16.3	0.8742	0.05135	0.70851_n	1.05011	1.21516	22
	26.3	0.9015	0.06405	0.68735_n	0.92511	1.26243	22
Dez.	6.3	0.9288	0.07731	0.66876_n	0.72738	1.29283	22
	16.3	0.9561	0.09081	0.65495_n	0.31911	1.30844	+0.0023
	26.2	0.9834	0.10415	0.64709_n	0.09307_n	1.31018	23
	36.2	1.0107	0.11697	0.64591_n	0.65562_n	1.29813	+0.0023

Tag		0h Welt-Zeit								
		Sternzeit Greenw.	*t*	*f*	log *g*	*G*	log *h*	*H*	log *i*	*i*
1934		h	a	s		h m		h m		"
Jan.	0	6.6	−0.0029	+0.657	0.8985	20 10.6	1.3103	23 27.4	0.0997_n	−1.258
	1	6.7	−0.0001	0.669	0.9010	20 12.5	1.3101	23 23.6	0.1464_n	1.401
	2	6.7	+0.0026	0.681	0.9034	20 14.3	1.3099	23 19.9	0.1886_n	1.544
	3	6.8	0.0053	0.692	0.9059	20 16.1	1.3096	23 16.1	0.2266_n	1.685
	4	6.9	0.0081	0.704	0.9084	20 17.9	1.3094	23 12.3	0.2615_n	1.826
	5	6.9	0.0108	0.716	0.9109	20 19.6	1.3091	23 8.6	0.2938_n	1.967
	6	7.0	0.0136	+0.728	0.9134	20 21.3	1.3088	23 4.8	0.3237_n	−2.107
	7	7.1	0.0163	0.740	0.9159	20 23.0	1.3085	23 1.0	0.3516_n	2.247
	8	7.1	0.0190	0.751	0.9184	20 24.6	1.3081	22 57.2	0.3777_n	2.386
	9	7.2	0.0218	0.763	0.9210	20 26.2	1.3078	22 53.4	0.4023_n	2.525
	10	7.3	0.0245	0.774	0.9236	20 27.7	1.3074	22 49.6	0.4252_n	2.662
	11	7.3	0.0272	0.786	0.9262	20 29.2	1.3070	22 45.8	0.4469_n	2.798
	12	7.4	0.0300	+0.797	0.9289	20 30.7	1.3066	22 42.0	0.4675_n	−2.934
	13	7.5	0.0327	0.808	0.9315	20 32.1	1.3062	22 38.2	0.4870_n	3.069
	14	7.5	0.0355	0.820	0.9342	20 33.5	1.3057	22 34.3	0.5056_n	3.203
	15	7.6	0.0382	0.831	0.9369	20 34.9	1.3053	22 30.5	0.5231_n	3.335
	16	7.6	0.0409	0.842	0.9395	20 36.2	1.3048	22 26.6	0.5399_n	3.467
	17	7.7	0.0437	0.853	0.9422	20 37.5	1.3043	22 22.8	0.5559_n	3.597
	18	7.8	0.0464	+0.864	0.9448	20 38.8	1.3038	22 18.9	0.5712_n	−3.726
	19	7.8	0.0492	0.875	0.9475	20 40.0	1.3033	22 15.1	0.5859_n	3.854
	20	7.9	0.0519	0.886	0.9501	20 41.2	1.3028	22 11.2	0.6000_n	3.981
	21	8.0	0.0546	0.896	0.9527	20 42.4	1.3022	22 7.3	0.6135_n	4.107
	22	8.0	0.0574	0.907	0.9553	20 43.5	1.3016	22 3.4	0.6264_n	4.231
	23	8.1	0.0601	0.918	0.9579	20 44.6	1.3011	21 59.5	0.6389_n	4.354
	24	8.2	0.0628	+0.928	0.9605	20 45.7	1.3005	21 55.6	0.6508_n	−4.475
	25	8.2	0.0656	0.938	0.9631	20 46.8	1.2999	21 51.7	0.6623_n	4.595
	26	8.3	0.0683	0.949	0.9657	20 47.8	1.2993	21 47.7	0.6734_n	4.714
	27	8.4	0.0711	0.959	0.9682	20 48.8	1.2987	21 43.8	0.6840_n	4.831
	28	8.4	0.0738	0.969	0.9708	20 49.8	1.2980	21 39.8	0.6943_n	4.947
	29	8.5	0.0765	0.979	0.9733	20 50.7	1.2974	21 35.9	0.7042_n	5.061
	30	8.6	0.0793	+0.989	0.9758	20 51.6	1.2968	21 31.9	0.7137_n	−5.173
	31	8.6	0.0820	0.998	0.9783	20 52.5	1.2961	21 27.9	0.7230_n	5.284
Febr.	1	8.7	0.0847	1.008	0.9807	20 53.4	1.2955	21 23.9	0.7318_n	5.393
	2	8.8	0.0875	1.018	0.9831	20 54.2	1.2948	21 19.9	0.7404_n	5.500
	3	8.8	0.0902	1.027	0.9855	20 55.0	1.2942	21 15.9	0.7486_n	5.606
	4	8.9	0.0930	1.037	0.9878	20 55.8	1.2935	21 11.9	0.7566_n	5.709
	5	9.0	0.0957	+1.046	0.9901	20 56.6	1.2929	21 7.8	0.7642_n	−5.811
	6	9.0	0.0984	1.055	0.9924	20 57.4	1.2922	21 3.8	0.7717_n	5.911
	7	9.1	0.1012	1.064	0.9947	20 58.2	1.2915	20 59.7	0.7788_n	6.009
	8	9.2	0.1039	1.073	0.9970	20 58.9	1.2909	20 55.6	0.7857_n	6.105
	9	9.2	0.1066	1.082	0.9992	20 59.6	1.2902	20 51.5	0.7924_n	6.200
	10	9.3	0.1094	+1.091	1.0014	21 0.3	1.2896	20 47.4	0.7989_n	−6.293

Tag	f'	g'	G'	Allgemeine Präzession seit 1934.0	$\Delta\psi$	$\Delta\psi'$	Wahre Schiefe	$\Delta\varepsilon$	$\Delta\varepsilon'$	j	k
	0h Welt-Zeit										
1934	in 0.s001	in 0."01				in 0."01	23° 26'		in 0."01	in 0.001	
Jan. 0	+ 2	+10	5.h6	−0."14	+10."88	+ 3	58."90	+6."67	−10	35	89
1	+ 6	9	4.4	−0.01	10.94	+10	58.91	6.67	− 9	35	89
2	+ 9	8	3.0	+0.13	10.99	+15	58.94	6.67	− 6	35	89
3	+11	7	1.1	0.27	11.05	+18	58.98	6.67	− 2	35	89
4	+10	7	22.8	0.41	11.11	+17	59.02	6.67	+ 2	35	89
5	+ 7	8	20.5	0.54	11.16	+12	59.07	6.68	+ 6	36	89
6	+ 2	+ 9	18.6	0.68	+11.22	+ 4	59.10	+6.68	+ 9	36	89
7	− 4	11	17.0	0.82	11.27	− 7	59.11	6.69	+10	36	89
8	−11	12	15.5	0.96	11.32	−17	59.11	6.69	+ 9	36	89
9	−16	12	14.1	1.09	11.38	−26	59.09	6.70	+ 6	36	89
10	−19	12	12.6	1.23	11.43	−31	59.05	6.70	+ 2	37	89
11	−18	12	11.0	1.37	11.48	−30	59.00	6.71	− 3	37	88
12	−14	+12	9.4	1.51	+11.53	−23	58.96	+6.72	− 7	37	88
13	− 7	11	7.6	1.64	11.57	−12	58.94	6.73	−10	37	88
14	+ 1	11	5.7	1.78	11.62	+ 2	58.94	6.74	−11	38	88
15	+ 9	11	3.7	1.92	11.67	+15	58.97	6.75	− 9	38	88
16	+15	11	1.5	2.06	11.71	+25	59.03	6.76	− 4	38	88
17	+17	11	23.7	2.20	11.75	+28	59.09	6.77	+ 1	38	88
18	+16	+12	22.0	2.33	+11.80	+26	59.15	+6.78	+ 6	38	88
19	+12	12	20.6	2.47	11.84	+19	59.19	6.79	+ 9	39	88
20	+ 5	11	19.2	2.61	11.87	+ 9	59.21	6.80	+11	39	88
21	− 1	10	17.8	2.75	11.91	− 2	59.21	6.81	+10	39	88
22	− 6	8	15.9	2.88	11.95	−10	59.19	6.82	+ 6	39	87
23	− 9	6	13.4	3.02	11.98	−15	59.16	6.83	+ 2	40	87
24	− 9	+ 6	10.6	3.16	+12.02	−15	59.13	+6.85	− 2	40	87
25	− 7	8	8.5	3.30	12.05	−12	59.10	6.86	− 6	40	87
26	− 4	9	7.0	3.43	12.08	− 6	59.08	6.87	− 9	40	87
27	+ 1	10	5.8	3.57	12.11	+ 2	59.09	6.89	−10	41	87
28	+ 5	10	4.6	3.71	12.13	+ 9	59.11	6.90	− 9	41	87
29	+ 9	9	3.2	3.85	12.16	+15	59.14	6.91	− 7	41	87
30	+11	+ 8	1.6	3.98	+12.18	+18	59.19	+6.93	− 3	41	86
31	+11	7	23.6	4.12	12.21	+18	59.24	6.94	+ 1	42	86
Febr. 1	+ 9	8	21.3	4.26	12.23	+15	59.30	6.95	+ 5	42	86
2	+ 5	9	19.4	4.40	12.25	+ 8	59.34	6.97	+ 8	42	86
3	− 1	10	17.7	4.53	12.26	− 2	59.38	6.98	+10	42	86
4	− 8	11	16.2	4.67	12.28	−13	59.39	7.00	+10	43	86
5	−14	+12	14.7	4.81	+12.29	−23	59.38	+7.01	+ 8	43	86
6	−18	12	13.2	4.95	12.31	−29	59.35	7.03	+ 4	43	86
7	−19	12	11.5	5.09	12.32	−31	59.31	7.04	− 1	43	85
8	−16	12	9.9	5.22	12.33	−26	59.28	7.05	− 6	43	85
9	−10	12	8.3	5.36	12.34	−16	59.26	7.07	−10	44	85
10	− 2	+11	6.5	5.50	+12.34	− 3	59.26	+7.08	−11	44	85

Tag	0h Welt-Zeit								
	Sternzeit Greenw.	t	f	log g	G	log h	H	log i	i
1934	h	a	s		h m		h m		"
Febr. 10	9.3	0.1094	+1.091	1.0014	21 0.3	1.2896	20 47.4	0.7989n	−6.293
11	9.4	0.1121	1.100	1.0035	21 1.0	1.2889	20 43.3	0.8050n	6.383
12	9.4	0.1149	1.108	1.0057	21 1.7	1.2882	20 39.2	0.8110n	6.471
13	9.5	0.1176	1.117	1.0078	21 2.4	1.2876	20 35.1	0.8167n	6.557
14	9.6	0.1203	1.125	1.0098	21 3.0	1.2870	20 31.0	0.8223n	6.642
15	9.6	0.1231	1.134	1.0119	21 3.7	1.2863	20 26.8	0.8276n	6.724
16	9.7	0.1258	+1.142	1.0139	21 4.3	1.2857	20 22.6	0.8327n	−6.803
17	9.8	0.1285	1.150	1.0159	21 4.9	1.2851	20 18.5	0.8376n	6.881
18	9.8	0.1313	1.158	1.0178	21 5.5	1.2845	20 14.3	0.8424n	6.957
19	9.9	0.1340	1.166	1.0197	21 6.1	1.2839	20 10.1	0.8470n	7.031
20	9.9	0.1368	1.174	1.0215	21 6.7	1.2833	20 5.9	0.8514n	7.102
21	10.0	0.1395	1.182	1.0234	21 7.3	1.2827	20 1.7	0.8556n	7.171
22	10.1	0.1422	+1.189	1.0252	21 7.8	1.2821	19 57.5	0.8596n	−7.238
23	10.1	0.1450	1.197	1.0269	21 8.4	1.2816	19 53.2	0.8635n	7.303
24	10.2	0.1477	1.204	1.0287	21 9.0	1.2810	19 49.0	0.8672n	7.365
25	10.3	0.1505	1.212	1.0304	21 9.5	1.2805	19 44.8	0.8707n	7.425
26	10.3	0.1532	1.219	1.0321	21 10.1	1.2800	19 40.5	0.8740n	7.482
27	10.4	0.1559	1.226	1.0337	21 10.6	1.2795	19 36.3	0.8772n	7.537
28	10.5	0.1587	+1.234	1.0353	21 11.2	1.2790	19 32.0	0.8802n	−7.590
März 1	10.5	0.1614	1.241	1.0369	21 11.7	1.2785	19 27.7	0.8832n	7.641
2	10.6	0.1641	1.248	1.0385	21 12.3	1.2781	19 23.4	0.8859n	7.690
3	10.7	0.1669	1.255	1.0400	21 12.8	1.2777	19 19.2	0.8885n	7.736
4	10.7	0.1696	1.262	1.0415	21 13.4	1.2773	19 14.9	0.8909n	7.779
5	10.8	0.1724	1.269	1.0430	21 13.9	1.2769	19 10.6	0.8932n	7.820
6	10.9	0.1751	+1.276	1.0445	21 14.4	1.2765	19 6.2	0.8953n	−7.858
7	10.9	0.1778	1.283	1.0459	21 15.0	1.2762	19 1.9	0.8973n	7.894
8	11.0	0.1806	1.290	1.0473	21 15.5	1.2758	18 57.6	0.8992n	7.928
9	11.1	0.1833	1.296	1.0486	21 16.1	1.2755	18 53.3	0.9009n	7.960
10	11.1	0.1860	1.303	1.0500	21 16.6	1.2752	18 49.0	0.9025n	7.989
11	11.2	0.1888	1.310	1.0513	21 17.2	1.2750	18 44.6	0.9040n	8.016
12	11.3	0.1915	+1.316	1.0526	21 17.7	1.2747	18 40.3	0.9053n	−8.040
13	11.3	0.1943	1.323	1.0539	21 18.3	1.2745	18 36.0	0.9064n	8.061
14	11.4	0.1970	1.330	1.0551	21 18.9	1.2743	18 31.7	0.9074n	8.080
15	11.5	0.1997	1.336	1.0563	21 19.4	1.2742	18 27.3	0.9083n	8.097
16	11.5	0.2025	1.343	1.0575	21 20.0	1.2740	18 23.0	0.9091n	8.111
17	11.6	0.2052	1.349	1.0587	21 20.6	1.2739	18 18.7	0.9097n	8.123
18	11.7	0.2079	+1.356	1.0598	21 21.2	1.2738	18 14.3	0.9102n	−8.133
19	11.7	0.2107	1.362	1.0610	21 21.8	1.2738	18 10.0	0.9106n	8.140
20	11.8	0.2134	1.369	1.0621	21 22.4	1.2737	18 5.7	0.9108n	8.144
21	11.9	0.2162	1.375	1.0633	21 23.0	1.2737	18 1.3	0.9109n	8.146
22	11.9	0.2189	1.382	1.0644	21 23.6	1.2737	17 57.0	0.9109n	8.145
23	12.0	0.2216	+1.388	1.0655	21 24.2	1.2737	17 52.7	0.9107n	−8.142

Tag	f'	g'	G'	Allgemeine Präzession seit 1934.0	$\Delta\psi$	$\Delta\psi'$	Wahre Schiefe	$\Delta\varepsilon$	$\Delta\varepsilon'$	j	k
	0ʰ Welt-Zeit										
1934	in 0.ˢ001	in 0.″01				in 0.″01	23° 26′		in 0.″01	in 0.001	
Febr. 10	− 2	+11	6.ʰ5	5.″50	+12.″34	− 3	59.″26	+7.″08	−11	44	85
11	+ 6	10	4.6	5.64	12.35	+ 9	59.28	7.10	− 9	44	85
12	+12	10	2.4	5.77	12.35	+20	59.33	7.11	− 6	44	85
13	+16	10	0.3	5.91	12.35	+26	59.39	7.12	− 1	45	85
14	+16	11	22.4	6.05	12.35	+26	59.46	7.14	+ 4	45	85
15	+12	12	20.9	6.19	12.35	+20	59.51	7.15	+ 9	45	84
16	+ 7	+12	19.5	6.32	+12.35	+11	59.54	+7.16	+11	45	84
17	0	10	18.1	6.46	12.34	0	59.55	7.18	+10	45	84
18	− 5	8	16.4	6.60	12.34	− 8	59.54	7.19	+ 8	46	84
19	− 9	7	14.2	6.74	12.33	−14	59.51	7.20	+ 4	46	84
20	−10	6	11.4	6.87	12.32	−16	59.47	7.21	− 1	46	84
21	− 8	7	9.0	7.01	12.31	−13	59.44	7.22	− 5	46	84
22	− 5	+ 9	7.4	7.15	+12.30	− 8	59.41	+7.23	− 8	46	84
23	0	10	6.0	7.29	12.28	0	59.41	7.24	−10	47	84
24	+ 4	10	4.9	7.42	12.27	+ 7	59.42	7.25	− 9	47	83
25	+ 8	9	3.5	7.56	12.25	+14	59.45	7.26	− 7	47	83
26	+11	8	2.1	7.70	12.24	+18	59.49	7.27	− 4	47	83
27	+12	8	0.3	7.84	12.22	+19	59.53	7.28	0	47	83
28	+10	+ 8	22.1	7.98	+12.20	+17	59.58	+7.29	+ 4	47	83
März 1	+ 7	8	20.1	8.11	12.18	+11	59.62	7.29	+ 7	48	83
2	+ 1	10	18.3	8.25	12.16	+ 2	59.65	7.30	+ 9	48	83
3	− 5	11	16.8	8.39	12.14	− 8	59.66	7.31	+10	48	83
4	−11	11	15.2	8.53	12.11	−18	59.65	7.31	+ 8	48	83
5	−16	11	13.7	8.66	12.09	−26	59.62	7.32	+ 5	48	83
6	−18	+12	12.0	8.80	+12.06	−29	59.58	+7.32	0	48	83
7	−16	12	10.4	8.94	12.04	−27	59.53	7.33	− 5	49	82
8	−11	11	8.7	9.08	12.01	−19	59.49	7.33	− 9	49	82
9	− 4	11	7.0	9.21	11.99	− 7	59.48	7.34	−11	49	82
10	+ 3	10	5.2	9.35	11.96	+ 6	59.48	7.34	−10	49	82
11	+10	10	3.1	9.49	11.93	+17	59.51	7.34	− 7	49	82
12	+15	+10	1.0	9.63	+11.90	+24	59.56	+7.34	− 3	49	82
13	+15	10	23.0	9.76	11.87	+25	59.61	7.34	+ 3	49	82
14	+13	11	21.2	9.90	11.84	+21	59.65	7.34	+ 7	50	82
15	+ 8	11	19.7	10.04	11.81	+13	59.68	7.34	+10	50	82
16	+ 1	11	18.4	10.18	11.78	+ 2	59.68	7.34	+11	50	82
17	− 4	9	16.8	10.31	11.75	− 7	59.66	7.34	+ 9	50	82
18	− 9	+ 8	14.8	10.45	+11.72	−14	59.62	+7.33	+ 5	50	82
19	−10	7	12.3	10.59	11.68	−17	59.57	7.33	+ 1	50	82
20	− 9	7	9.8	10.73	11.65	−15	59.52	7.32	− 4	50	82
21	− 6	8	7.8	10.87	11.62	−10	59.48	7.32	− 7	50	82
22	− 2	10	6.4	11.00	11.59	− 3	59.45	7.31	− 9	51	82
23	+ 3	+10	5.2	11.14	+11.56	+ 5	59.44	+7.31	−10	51	82

Reduktionsgrößen 1934

Tag	0ʰ Welt-Zeit								
	Sternzeit Greenw.	t	f	$\log g$	G	$\log h$	H	$\log i$	i
1934	h	s	s		h m		h m		"
März 23	12.0	0.2216	+1.388	1.0655	21 24.2	1.2737	17 52.7	0.9107_n	−8.142
24	12.1	0.2244	1.395	1.0665	21 24.8	1.2738	17 48.4	0.9105_n	8.137
25	12.1	0.2271	1.401	1.0676	21 25.5	1.2739	17 44.0	0.9100_n	8.129
26	12.2	0.2299	1.408	1.0686	21 26.1	1.2740	17 39.7	0.9095_n	8.119
27	12.2	0.2326	1.414	1.0696	21 26.8	1.2741	17 35.4	0.9088_n	8.106
28	12.3	0.2353	1.421	1.0706	21 27.4	1.2742	17 31.1	0.9080_n	8.091
29	12.4	0.2381	+1.427	1.0716	21 28.1	1.2744	17 26.8	0.9071_n	−8.074
30	12.4	0.2408	1.434	1.0726	21 28.8	1.2746	17 22.5	0.9060_n	8.054
31	12.5	0.2435	1.440	1.0736	21 29.5	1.2748	17 18.2	0.9048_n	8.032
April 1	12.6	0.2463	1.447	1.0746	21 30.2	1.2750	17 14.0	0.9035_n	8.007
2	12.6	0.2490	1.454	1.0756	21 30.9	1.2753	17 9.7	0.9020_n	7.980
3	12.7	0.2518	1.460	1.0766	21 31.6	1.2756	17 5.4	0.9004_n	7.950
4	12.8	0.2545	+1.467	1.0776	21 32.3	1.2759	17 1.2	0.8987_n	−7.919
5	12.8	0.2572	1.474	1.0785	21 33.0	1.2762	16 56.9	0.8969_n	7.886
6	12.9	0.2600	1.480	1.0795	21 33.8	1.2766	16 52.7	0.8948_n	7.849
7	13.0	0.2627	1.487	1.0805	21 34.5	1.2769	16 48.4	0.8926_n	7.810
8	13.0	0.2654	1.494	1.0814	21 35.2	1.2773	16 44.2	0.8904_n	7.769
9	13.1	0.2682	1.501	1.0824	21 36.0	1.2777	16 40.0	0.8880_n	7.726
10	13.2	0.2709	+1.508	1.0833	21 36.8	1.2782	16 35.8	0.8854_n	−7.681
11	13.2	0.2737	1.516	1.0843	21 37.6	1.2786	16 31.6	0.8827_n	7.633
12	13.3	0.2764	1.523	1.0853	21 38.3	1.2791	16 27.5	0.8798_n	7.583
13	13.4	0.2791	1.530	1.0863	21 39.1	1.2795	16 23.3	0.8768_n	7.531
14	13.4	0.2819	1.537	1.0873	21 39.9	1.2800	16 19.1	0.8738_n	7.478
15	13.5	0.2846	1.544	1.0883	21 40.8	1.2805	16 15.0	0.8705_n	7.422
16	13.6	0.2873	+1.552	1.0893	21 41.6	1.2810	16 10.9	0.8671_n	−7.363
17	13.6	0.2901	1.559	1.0903	21 42.4	1.2816	16 6.8	0.8635_n	7.303
18	13.7	0.2928	1.567	1.0913	21 43.2	1.2821	16 2.7	0.8597_n	7.240
19	13.8	0.2956	1.574	1.0923	21 44.1	1.2826	15 58.6	0.8558_n	7.175
20	13.8	0.2983	1.582	1.0933	21 44.9	1.2832	15 54.5	0.8518_n	7.108
21	13.9	0.3010	1.590	1.0944	21 45.7	1.2838	15 50.4	0.8475_n	7.039
22	14.0	0.3038	+1.598	1.0954	21 46.6	1.2844	15 46.4	0.8431_n	−6.968
23	14.0	0.3065	1.605	1.0965	21 47.5	1.2850	15 42.3	0.8386_n	6.896
24	14.1	0.3093	1.613	1.0976	21 48.3	1.2856	15 38.3	0.8339_n	6.822
25	14.2	0.3120	1.621	1.0987	21 49.2	1.2862	15 34.3	0.8290_n	6.745
26	14.2	0.3147	1.629	1.0998	21 50.1	1.2868	15 30.3	0.8239_n	6.667
27	14.3	0.3175	1.638	1.1010	21 51.0	1.2874	15 26.3	0.8186_n	6.586
28	14.4	0.3202	+1.646	1.1021	21 51.8	1.2880	15 22.3	0.8131_n	−6.503
29	14.4	0.3229	1.654	1.1033	21 52.7	1.2886	15 18.4	0.8075_n	6.419
30	14.5	0.3257	1.663	1.1045	21 53.6	1.2893	15 14.4	0.8016_n	6.333
Mai 1	14.5	0.3284	1.671	1.1056	21 54.5	1.2899	15 10.5	0.7956_n	6.246
2	14.6	0.3312	1.680	1.1068	21 55.4	1.2905	15 6.5	0.7893_n	6.156
3	14.7	0.3339	+1.688	1.1081	21 56.3	1.2912	15 2.6	0.7828_n	−6.065

Tag	0ʰ Welt-Zeit										
	f'	g'	G'	Allgemeine Präzession seit 1934.0	$\Delta\psi$	$\Delta\psi'$	Wahre Schiefe	$\Delta\varepsilon$	$\Delta\varepsilon'$	j	k
1934	in 0.ˢ001	in 0.″01				in 0.″01	23°26′		in 0.″01	in 0.001	
März 23	+ 3	+10	5.ʰ2	11.″14	+11.″56	+ 5	59.″44	+7.″31	−10	51	82
24	+ 7	9	4.0	11.28	11.52	+12	59.45	7.30	− 8	51	82
25	+10	9	2.6	11.42	11.49	+17	59.46	7.29	− 5	51	82
26	+12	8	0.8	11.55	11.46	+19	59.49	7.28	− 2	51	82
27	+11	8	22.7	11.69	11.43	+18	59.52	7.28	+ 2	51	82
28	+ 8	8	20.7	11.83	11.40	+13	59.55	7.27	+ 6	51	82
29	+ 3	+ 9	18.9	11.97	+11.37	+ 5	59.57	+7.26	+ 9	52	82
30	− 3	10	17.3	12.10	11.34	− 5	59.57	7.25	+10	52	82
31	− 9	11	15.8	12.24	11.31	−15	59.54	7.23	+ 9	52	82
April 1	−14	11	14.3	12.38	11.28	−23	59.50	7.22	+ 6	52	82
2	−17	11	12.7	12.52	11.25	−28	59.45	7.21	+ 2	52	82
3	−16	11	10.9	12.65	11.22	−27	59.38	7.20	− 3	52	82
4	−13	+11	9.2	12.79	+11.20	−21	59.32	+7.18	− 7	52	82
5	− 6	11	7.5	12.93	11.17	−10	59.28	7.17	−10	52	82
6	+ 2	11	5.6	13.07	11.14	+ 3	59.26	7.15	−11	53	83
7	+ 9	10	3.7	13.20	11.12	+15	59.26	7.14	− 8	53	83
8	+14	10	1.7	13.34	11.09	+23	59.29	7.12	− 4	53	83
9	+16	10	23.6	13.48	11.07	+26	59.32	7.10	+ 1	53	83
10	+14	+11	21.8	13.62	+11.05	+23	59.35	+7.09	+ 6	53	83
11	+ 9	11	20.2	13.76	11.02	+15	59.37	7.07	+ 9	53	83
12	+ 3	11	18.7	13.89	11.00	+ 5	59.36	7.05	+11	53	83
13	− 3	10	17.2	14.03	10.98	− 5	59.33	7.03	+10	53	83
14	− 8	8	15.3	14.17	10.96	−14	59.28	7.01	+ 6	53	83
15	−11	7	13.0	14.31	10.94	−17	59.21	7.00	+ 2	54	83
16	−10	+ 7	10.5	14.44	+10.93	−17	59.15	+6.98	− 3	54	83
17	− 8	8	8.4	14.58	10.91	−12	59.08	6.95	− 7	54	84
18	− 4	9	6.9	14.72	10.90	− 6	59.04	6.93	− 9	54	84
19	+ 1	10	5.6	14.86	10.88	+ 2	59.01	6.91	−10	54	84
20	+ 6	10	4.4	14.99	10.87	+10	59.00	6.89	− 9	54	84
21	+ 9	9	3.1	15.13	10.86	+15	59.00	6.87	− 6	54	84
22	+11	+ 8	1.4	15.27	+10.85	+19	59.01	+6.85	− 3	54	84
23	+11	7	23.4	15.41	10.84	+18	59.03	6.83	+ 1	55	84
24	+ 9	8	21.2	15.54	10.83	+14	59.04	6.80	+ 5	55	84
25	+ 4	9	19.2	15.68	10.83	+ 7	59.05	6.78	+ 8	55	84
26	− 1	10	17.6	15.82	10.82	− 2	59.04	6.76	+10	55	84
27	− 8	11	16.1	15.96	10.82	−12	59.01	6.73	+ 9	55	85
28	−13	+11	14.7	16.09	+10.82	−21	58.97	+6.71	+ 7	55	85
29	−16	11	13.2	16.23	10.82	−27	58.90	6.69	+ 3	55	85
30	−17	11	11.5	16.37	10.82	−28	58.83	6.66	− 1	56	85
Mai 1	−14	11	9.7	16.51	10.82	−23	58.76	6.64	− 6	56	85
2	− 8	11	7.9	16.65	10.82	−13	58.70	6.62	−10	56	85
3	0	+11	6.1	16.78	+10.83	0	58.66	+6.59	−11	56	85

Tag	0h Welt-Zeit: Sternzeit Greenw.	t	f	log g	G	log h	H	log i	i
1934	h	s	s		h m		h m		"
Mai 3	14.7	0.3339	+1.688	1.1081	21 56.3	1.2912	15 2.6	0.7828n	−6.065
4	14.7	0.3366	1.697	1.1093	21 57.2	1.2918	14 58.8	0.7761n	5.972
5	14.8	0.3394	1.706	1.1106	21 58.1	1.2924	14 54.9	0.7692n	5.878
6	14.9	0.3421	1.715	1.1119	21 59.0	1.2931	14 51.0	0.7621n	5.782
7	14.9	0.3448	1.724	1.1132	21 59.9	1.2937	14 47.2	0.7546n	5.684
8	15.0	0.3476	1.733	1.1145	22 0.8	1.2943	14 43.3	0.7470n	5.585
9	15.1	0.3503	+1.742	1.1158	22 1.6	1.2949	14 39.5	0.7391n	−5.484
10	15.1	0.3531	1.752	1.1172	22 2.5	1.2956	14 35.7	0.7309n	5.381
11	15.2	0.3558	1.761	1.1186	22 3.4	1.2962	14 31.9	0.7224n	5.277
12	15.3	0.3585	1.771	1.1200	22 4.3	1.2968	14 28.1	0.7137n	5.172
13	15.3	0.3613	1.780	1.1214	22 5.2	1.2974	14 24.3	0.7046n	5.065
14	15.4	0.3640	1.790	1.1228	22 6.0	1.2980	14 20.5	0.6952n	4.957
15	15.5	0.3667	+1.800	1.1243	22 6.9	1.2986	14 16.8	0.6856n	−4.848
16	15.5	0.3695	1.810	1.1258	22 7.8	1.2992	14 13.0	0.6755n	4.737
17	15.6	0.3722	1.819	1.1273	22 8.7	1.2997	14 9.3	0.6651n	4.625
18	15.7	0.3750	1.829	1.1288	22 9.5	1.3003	14 5.6	0.6543n	4.511
19	15.7	0.3777	1.839	1.1303	22 10.4	1.3009	14 1.9	0.6432n	4.397
20	15.8	0.3804	1.849	1.1319	22 11.2	1.3014	13 58.2	0.6316n	4.282
21	15.9	0.3832	+1.859	1.1334	22 12.1	1.3019	13 54.5	0.6196n	−4.165
22	15.9	0.3859	1.870	1.1350	22 12.9	1.3025	13 50.8	0.6070n	4.046
23	16.0	0.3887	1.880	1.1366	22 13.7	1.3030	13 47.2	0.5941n	3.927
24	16.1	0.3914	1.890	1.1382	22 14.5	1.3035	13 43.5	0.5806n	3.807
25	16.1	0.3941	1.901	1.1399	22 15.3	1.3040	13 39.8	0.5666n	3.686
26	16.2	0.3969	1.911	1.1415	22 16.1	1.3044	13 36.2	0.5518n	3.563
27	16.3	0.3996	+1.922	1.1432	22 16.9	1.3049	13 32.6	0.5366n	−3.440
28	16.3	0.4023	1.932	1.1449	22 17.7	1.3054	13 28.9	0.5206n	3.316
29	16.4	0.4051	1.943	1.1466	22 18.5	1.3058	13 25.3	0.5039n	3.191
30	16.5	0.4078	1.954	1.1483	22 19.3	1.3062	13 21.7	0.4864n	3.065
31	16.5	0.4106	1.965	1.1500	22 20.0	1.3066	13 18.1	0.4680n	2.938
Juni 1	16.6	0.4133	1.976	1.1517	22 20.8	1.3070	13 14.6	0.4489n	2.811
2	16.7	0.4160	+1.987	1.1535	22 21.5	1.3074	13 11.0	0.4285n	−2.682
3	16.7	0.4188	1.998	1.1553	22 22.2	1.3077	13 7.4	0.4070n	2.553
4	16.8	0.4215	2.009	1.1571	22 23.0	1.3081	13 3.8	0.3845n	2.424
5	16.8	0.4242	2.020	1.1588	22 23.7	1.3084	13 0.3	0.3606n	2.294
6	16.9	0.4270	2.031	1.1606	22 24.4	1.3087	12 56.7	0.3351n	2.163
7	17.0	0.4297	2.042	1.1624	22 25.0	1.3090	12 53.2	0.3077n	2.031
8	17.0	0.4325	+2.053	1.1643	22 25.7	1.3092	12 49.6	0.2785n	−1.899
9	17.1	0.4352	2.064	1.1661	22 26.4	1.3095	12 46.1	0.2472n	1.767
10	17.2	0.4379	2.076	1.1679	22 27.0	1.3097	12 42.6	0.2132n	1.634
11	17.2	0.4407	2.087	1.1698	22 27.7	1.3099	12 39.0	0.1761n	1.500
12	17.3	0.4434	2.098	1.1717	22 28.3	1.3101	12 35.5	0.1358n	1.367
13	17.4	0.4461	+2.110	1.1735	22 28.9	1.3103	12 32.0	0.0910n	−1.233

Tag	0h Welt-Zeit										
	f′	g′	G′	Allgemeine Präzession seit 1934.0	Δψ	Δψ′	Wahre Schiefe	Δε	Δε′	j	k
1934	in 0.s001	in 0."01	h	"	"	in 0."01	23° 26′ "	"	in 0."01	in 0.001	
Mai 3	0	+11	6.1	16.78	+10.83	0	58.66	+6.59	—11	56	85
4	+ 7	11	4.2	16.92	10.83	+12	58.65	6.57	— 9	56	85
5	+14	10	2.2	17.06	10.84	+22	58.66	6.54	— 6	56	86
6	+16	11	0.2	17.20	10.85	+27	58.68	6.52	— 1	56	86
7	+16	11	22.5	17.33	10.86	+26	58.71	6.50	+ 4	57	86
8	+12	12	20.8	17.47	10.87	+19	58.73	6.47	+ 9	57	86
9	+ 6	+11	19.3	17.61	+10.88	+ 9	58.72	+6.45	+11	57	86
10	— 1	10	17.7	17.75	10.90	— 2	58.69	6.42	+10	57	86
11	— 7	9	16.0	17.88	10.91	—11	58.64	6.40	+ 7	57	86
12	—10	7	13.8	18.02	10.93	—17	58.58	6.38	+ 3	58	86
13	—11	7	11.3	18.16	10.95	—18	58.50	6.35	— 1	58	87
14	— 9	8	9.1	18.30	10.97	—15	58.43	6.33	— 6	58	87
15	— 5	+ 9	7.4	18.43	+10.99	— 8	58.38	+6.30	— 9	58	87
16	0	10	6.1	18.57	11.01	0	58.34	6.28	—10	58	87
17	+ 5	10	4.8	18.71	11.04	+ 8	58.32	6.26	— 9	59	87
18	+ 9	9	3.5	18.85	11.06	+14	58.32	6.24	— 7	59	87
19	+11	8	1.9	18.98	11.09	+18	58.33	6.21	— 4	59	87
20	+11	7	23.9	19.12	11.12	+18	58.35	6.19	0	59	87
21	+ 9	+ 7	21.7	19.26	+11.15	+15	58.36	+6.17	+ 4	59	87
22	+ 5	8	19.7	19.40	11.18	+ 9	58.37	6.15	+ 7	60	88
23	0	9	18.0	19.54	11.21	0	58.37	6.13	+ 9	60	88
24	— 6	11	16.5	19.67	11.24	—11	58.35	6.11	+10	60	88
25	—12	11	15.0	19.81	11.27	—20	58.31	6.08	+ 8	60	88
26	—16	12	13.6	19.95	11.31	—27	58.26	6.06	+ 5	60	88
27	—18	+12	12.0	20.09	+11.34	—29	58.19	+6.04	0	61	88
28	—16	11	10.4	20.22	11.38	—26	58.12	6.02	— 5	61	88
29	—11	11	8.6	20.36	11.42	—18	58.06	6.01	— 9	61	88
30	— 3	11	6.7	20.50	11.45	— 5	58.02	5.99	—11	61	88
31	+ 5	11	4.8	20.64	11.49	+ 8	58.01	5.97	—10	62	88
Juni 1	+12	11	2.8	20.77	11.53	+20	58.02	5.95	— 7	62	89
2	+16	+11	0.9	20.91	+11.58	+27	58.04	+5.93	— 3	62	89
3	+17	11	23.1	21.05	11.62	+28	58.08	5.92	+ 3	62	89
4	+14	12	21.4	21.19	11.66	+23	58.11	5.90	+ 7	63	89
5	+ 9	12	20.0	21.32	11.70	+14	58.12	5.88	+10	63	89
6	+ 2	11	18.5	21.46	11.75	+ 3	58.11	5.87	+11	63	89
7	— 4	9	16.8	21.60	11.79	— 7	58.07	5.85	+ 9	64	89
8	— 9	+ 7	14.7	21.74	+11.84	—14	58.02	+5.84	+ 5	64	89
9	—10	7	12.1	21.87	11.88	—17	57.95	5.82	0	64	89
10	— 9	8	9.6	22.01	11.93	—15	57.89	5.81	— 4	64	89
11	— 6	9	7.8	22.15	11.98	—10	57.85	5.80	— 8	65	89
12	— 1	10	6.3	22.29	12.03	— 2	57.81	5.78	—10	65	89
13	+ 4	+10	5.1	22.43	+12.07	+ 6	57.80	+5.77	—10	65	89

Reduktionsgrößen 1934

Tag	0h Welt-Zeit								
	Stern-zeit Greenw.	t	f	log g	G	log h	H	log i	i
1934	h	s	s		h m		h m		"
Juni 13	17.4	0.4461	+2.110	1.1735	22 28.9	1.3103	12 32.0	0.0910$_n$	−1.233
14	17.4	0.4489	2.121	1.1754	22 29.5	1.3105	12 28.5	0.0406$_n$	1.098
15	17.5	0.4516	2.132	1.1773	22 30.1	1.3106	12 25.0	9.9836$_n$	0.963
16	17.6	0.4544	2.144	1.1792	22 30.6	1.3108	12 21.4	9.9180$_n$	0.828
17	17.6	0.4571	2.155	1.1810	22 31.2	1.3109	12 17.9	9.8407$_n$	0.693
18	17.7	0.4598	2.167	1.1829	22 31.8	1.3110	12 14.4	9.7466$_n$	0.558
19	17.8	0.4626	+2.178	1.1847	22 32.3	1.3110	12 10.9	9.6263$_n$	−0.423
20	17.8	0.4653	2.190	1.1866	22 32.8	1.3111	12 7.4	9.4594$_n$	0.288
21	17.9	0.4681	2.201	1.1885	22 33.3	1.3111	12 3.9	9.1818$_n$	0.152
22	18.0	0.4708	2.212	1.1904	22 33.8	1.3111	12 0.4	8.2041$_n$	−0.016
23	18.0	0.4735	2.224	1.1923	22 34.3	1.3111	11 56.9	9.0756	+0.119
24	18.1	0.4763	2.236	1.1942	22 34.8	1.3111	11 53.4	9.4065	0.255
25	18.2	0.4790	+2.247	1.1960	22 35.3	1.3110	11 49.9	9.5922	+0.391
26	18.2	0.4817	2.258	1.1979	22 35.7	1.3110	11 46.4	9.7210	0.526
27	18.3	0.4845	2.270	1.1998	22 36.2	1.3109	11 42.9	9.8202	0.661
28	18.4	0.4872	2.281	1.2016	22 36.6	1.3108	11 39.4	9.9009	0.796
29	18.4	0.4900	2.293	1.2035	22 37.0	1.3107	11 35.9	9.9690	0.931
30	18.5	0.4927	2.304	1.2054	22 37.4	1.3105	11 32.4	0.0278	1.066
Juli 1	18.6	0.4954	+2.315	1.2073	22 37.8	1.3104	11 28.9	0 0792	+1.200
2	18.6	0.4982	2.327	1.2091	22 38.2	1.3102	11 25.4	0.1252	1.334
3	18.7	0.5009	2.338	1.2110	22 38.5	1.3100	11 21.9	0.1664	1.467
4	18.8	0.5036	2.349	1.2128	22 38.9	1.3098	11 18.3	0.2041	1.600
5	18.8	0.5064	2.360	1.2146	22 39.2	1.3096	11 14.8	0.2388	1.733
6	18.9	0.5091	2.372	1.2165	22 39.6	1.3093	11 11.3	0.2707	1.865
7	19.0	0.5119	+2.383	1.2183	22 39.9	1.3090	11 7.8	0.3004	+1.997
8	19.0	0.5146	2.394	1.2201	22 40.2	1.3087	11 4.2	0.3280	2.128
9	19.1	0.5173	2.405	1.2219	22 40.5	1.3084	11 0.7	0.3539	2.259
10	19.1	0.5201	2.416	1.2237	22 40.8	1.3081	10 57.1	0.3782	2.389
11	19.2	0.5228	2.427	1.2255	22 41.1	1.3078	10 53.6	0.4011	2.518
12	19.3	0.5255	2.438	1.2272	22 41.3	1.3075	10 50.0	0.4226	2.646
13	19.3	0.5283	+2.449	1.2290	22 41.6	1.3071	10 46.5	0.4431	+2.774
14	19.4	0.5310	2.460	1.2307	22 41.9	1.3067	10 42.9	0.4626	2.901
15	19.5	0.5338	2.471	1.2325	22 42.1	1.3063	10 39.3	0.4810	3.027
16	19.5	0.5365	2.481	1.2342	22 42.3	1.3059	10 35.7	0.4987	3.153
17	19.6	0.5392	2.492	1.2359	22 42.6	1.3055	10 32.2	0.5155	3.277
18	19.7	0.5420	2.503	1.2376	22 42.8	1.3050	10 28.6	0.5316	3.401
19	19.7	0.5447	+2.513	1.2393	22 43.0	1.3046	10 25.0	0.5470	+3.524
20	19.8	0.5474	2.524	1.2410	22 43.2	1.3041	10 21.4	0.5618	3.646
21	19.9	0.5502	2.534	1.2426	22 43.4	1.3036	10 17.7	0.5759	3.766
22	19.9	0.5529	2.544	1.2443	22 43.6	1.3031	10 14.1	0.5895	3.886
23	20.0	0.5557	2.555	1.2459	22 43.8	1.3026	10 10.5	0.6026	4.005
24	20.1	0.5584	+2.565	1.2476	22 43.9	1.3021	10 6.8	0.6152	+4.123

Tag	f′	g′	G′	Allgemeine Präzession seit 1934.0	Δψ	Δψ′	Wahre Schiefe	Δε	Δε′	j	k
	0h Welt-Zeit										
1934	s in 0.001	" in 0.01	h	"	"	" in 0.01	23° 26′ "	"	" in 0.01	in 0.001	
Juni 13	+ 4	+10	5.1	22.43	+12.07	+ 6	57.80	+5.77	−10	65	89
14	+ 8	9	3.8	22.56	12.12	+13	57.80	5.76	− 8	65	89
15	+11	8	2.3	22.70	12.17	+17	57.82	5.75	− 5	66	89
16	+11	7	0.6	22.84	12.22	+19	57.85	5.74	− 1	66	89
17	+10	7	22.4	22.98	12.27	+16	57.88	5.73	+ 3	66	89
18	+ 7	8	20.3	23.11	12.32	+11	57.90	5.72	+ 6	67	89
19	+ 1	+ 9	18.4	23.25	+12.37	+ 2	57.92	+5.71	+ 9	67	89
20	− 5	10	16.8	23.39	12.42	− 8	57.92	5.71	+10	67	89
21	−11	11	15.4	23.53	12.47	−18	57.90	5.70	+ 9	67	89
22	−16	12	14.0	23.66	12.52	−26	57.86	5.69	+ 6	68	89
23	−19	12	12.6	23.80	12.57	−30	57.82	5.69	+ 2	68	89
24	−18	12	11.0	23.94	12.62	−29	57.76	5.68	− 3	68	89
25	−14	+12	9.4	24.08	+12.67	−23	57.71	+5.68	− 7	69	89
26	− 7	11	7.6	24.21	12.72	−11	57.68	5.67	−10	69	89
27	+ 1	10	5.7	24.35	12.77	+ 2	57.67	5.67	−10	69	89
28	+ 9	10	3.6	24.49	12.82	+15	57.69	5.66	− 8	69	89
29	+15	10	1.5	24.63	12.87	+24	57.72	5.66	− 4	70	89
30	+17	11	23.7	24.76	12.92	+28	57.77	5.66	+ 1	70	89
Juli 1	+16	+12	22.0	24.90	+12.96	+26	57.82	+5.66	+ 6	70	89
2	+11	12	20.5	25.04	13.01	+18	57.85	5.66	+10	71	89
3	+ 5	11	19.1	25.18	13.06	+ 8	57.86	5.66	+11	71	89
4	− 2	10	17.5	25.32	13.11	− 3	57.85	5.66	+ 9	71	89
5	− 7	8	15.6	25.45	13.15	−11	57.82	5.66	+ 6	72	89
6	− 9	6	13.0	25.59	13.20	−15	57.77	5.66	+ 2	72	89
7	− 9	+ 7	10.1	25.73	+13.24	−15	57.72	+5.66	− 3	72	89
8	− 6	8	8.1	25.87	13.29	−11	57.69	5.66	− 7	72	89
9	− 2	9	6.6	26.00	13.33	− 3	57.66	5.67	− 9	73	89
10	+ 3	10	5.3	26.14	13.37	+ 5	57.66	5.67	−10	73	89
11	+ 7	10	4.1	26.28	13.42	+12	57.68	5.67	− 9	73	89
12	+11	9	2.7	26.42	13.46	+17	57.70	5.68	− 6	74	89
13	+12	+ 8	1.1	26.55	+13.50	+20	57.74	+5.68	− 2	74	88
14	+11	8	23.1	26.69	13.54	+18	57.79	5.69	+ 2	74	88
15	+ 8	8	21.0	26.83	13.58	+14	57.83	5.69	+ 5	75	88
16	+ 4	9	19.1	26.97	13.62	+ 6	57.86	5.70	+ 8	75	88
17	− 2	10	17.4	27.10	13.65	− 4	57.88	5.71	+10	75	88
18	− 9	11	15.9	27.24	13.69	−15	57.89	5.71	+ 9	75	88
19	−15	+12	14.4	27.38	+13.73	−24	57.87	+5.72	+ 7	76	88
20	−18	12	13.0	27.52	13.76	−30	57.84	5.73	+ 3	76	88
21	−19	12	11.5	27.65	13.79	−31	57.79	5.74	− 2	76	88
22	−16	12	10.0	27.79	13.82	−27	57.75	5.74	− 6	77	88
23	−11	12	8.4	27.93	13.86	−17	57.73	5.75	− 9	77	88
24	− 3	+11	6.6	28.07	+13.89	− 5	57.73	+5.76	−11	77	88

Tag	0h Welt-Zeit								
	Sternzeit Greenw.	t	f	log g	G	log h	H	log i	i
1934	h	s	s		h m		h m		"
Juli 24	20.1	0.5584	+2.565	1.2476	22 43.9	1.3021	10 6.8	0.6152	+4.123
25	20.1	0.5611	2.575	1.2492	22 44.1	1.3016	10 3.2	0.6273	4.239
26	20.2	0.5639	2.585	1.2508	22 44.2	1.3011	9 59.5	0.6389	4.354
27	20.3	0.5666	2.595	1.2523	22 44.4	1.3005	9 55.8	0.6502	4.469
28	20.3	0.5694	2.605	1.2539	22 44.5	1.3000	9 52.1	0.6611	4.582
29	20.4	0.5721	2.615	1.2555	22 44.7	1.2994	9 48.4	0.6715	4.694
30	20.5	0.5748	+2.625	1.2570	22 44.8	1.2988	9 44.7	0.6816	+4.804
31	20.5	0.5776	2.634	1.2585	22 44.9	1.2982	9 41.0	0.6914	4.913
Aug. 1	20.6	0.5803	2.644	1.2600	22 45.0	1.2976	9 37.3	0.7008	5.021
2	20.7	0.5830	2.654	1.2615	22 45.2	1.2970	9 33.5	0.7099	5.127
3	20.7	0.5858	2.663	1.2630	22 45.3	1.2964	9 29.8	0.7187	5.232
4	20.8	0.5885	2.672	1.2644	22 45.4	1.2958	9 26.0	0.7272	5.336
5	20.9	0.5913	+2.682	1.2659	22 45.5	1.2952	9 22.2	0.7354	+5.438
6	20.9	0.5940	2.691	1.2673	22 45.6	1.2946	9 18.4	0.7434	5.538
7	21.0	0.5967	2.700	1.2687	22 45.7	1.2940	9 14.6	0.7510	5.637
8	21.1	0.5995	2.709	1.2701	22 45.8	1.2934	9 10.8	0.7585	5.735
9	21.1	0.6022	2.718	1.2715	22 45.9	1.2927	9 7.0	0.7657	5.831
10	21.2	0.6049	2.727	1.2728	22 46.0	1.2921	9 3.2	0.7727	5.925
11	21.3	0.6077	+2.736	1.2742	22 46.1	1.2915	8 59.3	0.7794	+6.018
12	21.3	0.6104	2.744	1.2755	22 46.2	1.2908	8 55.5	0.7860	6.110
13	21.4	0.6132	2.753	1.2768	22 46.2	1.2902	8 51.6	0.7923	6.199
14	21.4	0.6159	2.761	1.2781	22 46.3	1.2896	8 47.7	0.7984	6.287
15	21.5	0.6186	2.770	1.2794	22 46.4	1.2890	8 43.8	0.8043	6.373
16	21.6	0.6214	2.778	1.2806	22 46.5	1.2884	8 39.9	0.8100	6.457
17	21.6	0.6241	+2.786	1.2819	22 46.6	1.2877	8 36.0	0.8155	+6.539
18	21.7	0.6268	2.795	1.2831	22 46.6	1.2871	8 32.0	0.8209	6.620
19	21.8	0.6296	2.803	1.2843	22 46.7	1.2865	8 28.1	0.8260	6.698
20	21.8	0.6323	2.811	1.2855	22 46.8	1.2859	8 24.1	0.8309	6.775
21	21.9	0.6351	2.819	1.2867	22 46.9	1.2853	8 20.2	0.8357	6.850
22	22.0	0.6378	2.827	1.2878	22 46.9	1.2847	8 16.2	0.8403	6.923
23	22.0	0.6405	+2.834	1.2890	22 47.0	1.2842	8 12.2	0.8448	+6.995
24	22.1	0.6433	2.842	1.2901	22 47.1	1.2836	8 8.2	0.8490	7.064
25	22.2	0.6460	2.850	1.2912	22 47.2	1.2830	8 4.1	0.8532	7.132
26	22.2	0.6488	2.857	1.2923	22 47.3	1.2825	8 0.1	0.8572	7.197
27	22.3	0.6515	2.865	1.2934	22 47.3	1.2819	7 56.0	0.8609	7.260
28	22.4	0.6542	2.872	1.2945	22 47.4	1.2814	7 52.0	0.8646	7.321
29	22.4	0.6570	+2.880	1.2956	22 47.5	1.2809	7 47.9	0.8681	+7.380
30	22.5	0.6597	2.887	1.2966	22 47.6	1.2804	7 43.9	0.8714	7.437
31	22.6	0.6624	2.894	1.2976	22 47.7	1.2799	7 39.8	0.8746	7.492
Sept. 1	22.6	0.6652	2.901	1.2986	22 47.8	1.2794	7 35.6	0.8777	7.545
2	22.7	0.6679	2.908	1.2996	22 47.9	1.2789	7 31.5	0.8806	7.596
3	22.8	0.6707	+2.915	1.3006	22 48.0	1.2785	7 27.4	0.8834	+7.645

Tag	f'	g'	G'	Allgemeine Präzession seit 1934.0	$\Delta\psi$	$\Delta\psi'$	Wahre Schiefe	$\Delta\varepsilon$	$\Delta\varepsilon'$	j	k
	0ʰ Welt-Zeit										
1934	in 0.ˢ001	in 0.″01				in 0.″01	23° 26′		in 0.″01	in 0.001	
Juli 24	− 3	+11	6.ʰ6	28.″07	+13.″89	− 5	57.″73	+5.″76	−11	77	88
25	+ 5	10	4.7	28.21	13.91	+ 9	57.75	5.77	− 9	78	87
26	+12	10	2.4	28.34	13.94	+19	57.79	5.78	− 6	78	87
27	+15	10	0.3	28.48	13.97	+25	57.85	5.79	− 1	78	87
28	+15	11	22.4	28.62	13.99	+25	57.91	5.80	+ 4	78	87
29	+12	12	20.8	28.76	14.01	+20	57.96	5.81	+ 9	79	87
30	+ 7	+11	19.5	28.89	+14.04	+11	57.99	+5.82	+11	79	87
31	0	10	18.1	29.03	14.06	0	58.00	5.83	+10	79	87
Aug. 1	− 5	8	16.4	29.17	14.08	− 8	57.98	5.85	+ 7	79	87
2	− 8	6	14.0	29.31	14.09	−14	57.95	5.86	+ 3	80	87
3	− 9	6	11.0	29.44	14.11	−15	57.91	5.87	− 2	80	86
4	− 7	7	8.5	29.58	14.13	−11	57.88	5.88	− 6	80	86
5	− 3	+ 9	6.8	29.72	+14.14	− 5	57.86	+5.89	− 9	81	86
6	+ 2	10	5.5	29.86	14.15	+ 3	57.86	5.90	−10	81	86
7	+ 7	10	4.3	29.99	14.16	+11	57.88	5.91	− 9	81	86
8	+10	10	3.0	30.13	14.17	+17	57.91	5.92	− 7	81	86
9	+13	9	1.5	30.27	14.18	+21	57.95	5.94	− 3	82	86
10	+12	8	23.8	30.41	14.19	+20	58.00	5.95	0	82	86
11	+10	+ 8	21.8	30.54	+14.20	+17	58.05	+5.96	+ 4	82	85
12	+ 6	9	19.8	30.68	14.20	+10	58.09	5.97	+ 8	82	85
13	0	9	18.0	30.82	14.20	0	58.12	5.98	+ 9	83	85
14	− 6	10	16.5	30.96	14.21	−10	58.13	5.99	+10	83	85
15	−12	11	15.0	31.10	14.21	−20	58.13	6.01	+ 8	83	85
16	−17	12	13.5	31.23	14.20	−27	58.10	6.02	+ 4	83	85
17	−19	+12	12.0	31.37	+14.20	−31	58.07	+6.03	0	84	85
18	−17	12	10.4	31.51	14.20	−28	58.03	6.04	− 5	84	85
19	−13	12	9.0	31.65	14.19	−21	58.00	6.05	− 8	84	84
20	− 6	11	7.4	31.78	14.19	−10	57.99	6.06	−10	84	84
21	+ 2	10	5.5	31.92	14.18	+ 3	58.01	6.07	−10	84	84
22	+ 9	9	3.4	32.06	14.17	+15	58.04	6.08	− 7	85	84
23	+13	+ 9	1.0	32.20	+14.16	+22	58.10	+6.09	− 2	85	84
24	+15	10	22.8	32.33	14.15	+24	58.16	6.10	+ 3	85	84
25	+12	11	21.1	32.47	14.14	+20	58.21	6.11	+ 7	85	84
26	+ 7	11	19.7	32.61	14.12	+12	58.25	6.12	+10	86	84
27	+ 1	11	18.3	32.75	14.11	+ 2	58.26	6.13	+11	86	84
28	− 4	9	16.8	32.88	14.09	− 7	58.25	6.13	+ 9	86	83
29	− 8	+ 7	14.8	33.02	+14.07	−13	58.22	+6.14	+ 5	86	83
30	− 9	6	11.9	33.16	14.06	−15	58.17	6.15	0	86	83
31	− 8	7	9.1	33.30	14.04	−13	58.13	6.16	− 5	87	83
Sept. 1	− 4	8	7.2	33.43	14.02	− 7	58.10	6.16	− 8	87	83
2	+ 1	10	5.8	33.57	13.99	+ 1	58.09	6.17	−10	87	83
3	+ 6	+10	4.6	33.71	+13.97	+ 9	58.10	+6.18	− 9	87	83

Tag	0h Welt-Zeit								
	Stern-zeit Greenw.	t	f	log g	G	log h	H	log i	i
1934									
Sept. 3	22.8h	0.6707a	+2.915s	1.3006	22h 48.0m	1.2785	7h 27.4m	0.8834	+7.645″
4	22.8	0.6734	2.922	1.3016	22 48.1	1.2781	7 23.3	0.8860	7.691
5	22.9	0.6761	2.929	1.3026	22 48.2	1.2777	7 19.1	0.8885	7.736
6	23.0	0.6789	2.936	1.3035	22 48.3	1.2773	7 15.0	0.8909	7.778
7	23.0	0.6816	2.943	1.3045	22 48.4	1.2769	7 10.8	0.8931	7.818
8	23.1	0.6843	2.950	1.3054	22 48.5	1.2765	7 6.6	0.8952	7.855
9	23.2	0.6871	+2.956	1.3063	22 48.6	1.2762	7 2.4	0.8971	+7.890
10	23.2	0.6898	2.963	1.3072	22 48.8	1.2759	6 58.2	0.8989	7.923
11	23.3	0.6926	2.970	1.3081	22 48.9	1.2756	6 54.0	0.9006	7.955
12	23.4	0.6953	2.976	1.3090	22 49.0	1.2753	6 49.8	0.9022	7.984
13	23.4	0.6980	2.983	1.3098	22 49.2	1.2750	6 45.6	0.9036	8.010
14	23.5	0.7008	2.989	1.3107	22 49.3	1.2748	6 41.4	0.9049	8.034
15	23.6	0.7035	+2.996	1.3116	22 49.5	1.2746	6 37.2	0.9061	+8.055
16	23.6	0.7062	3.002	1.3124	22 49.6	1.2744	6 32.9	0.9071	8.075
17	23.7	0.7090	3.009	1.3133	22 49.8	1.2742	6 28.7	0.9081	8.092
18	23.7	0.7117	3.015	1.3141	22 50.0	1.2741	6 24.4	0.9088	8.106
19	23.8	0.7145	3.022	1.3149	22 50.1	1.2739	6 20.2	0.9094	8.118
20	23.9	0.7172	3.028	1.3157	22 50.3	1.2738	6 15.9	0.9100	8.129
21	23.9	0.7199	+3.034	1.3165	22 50.5	1.2738	6 11.7	0.9105	+8.137
22	0.0	0.7227	3.041	1.3173	22 50.7	1.2737	6 7.4	0.9107	8.142
23	0.1	0.7254	3.047	1.3181	22 50.9	1.2737	6 3.2	0.9109	8.145
24	0.1	0.7282	3.054	1.3189	22 51.1	1.2737	5 58.9	0.9109	8.146
25	0.2	0.7309	3.060	1.3196	22 51.3	1.2737	5 54.6	0.9108	8.144
26	0.3	0.7336	3.066	1.3204	22 51.5	1.2737	5 50.3	0.9106	8.139
27	0.3	0.7364	+3.072	1.3212	22 51.7	1.2738	5 46.1	0.9102	+8.132
28	0.4	0.7391	3.079	1.3220	22 51.9	1.2739	5 41.8	0.9097	8.123
29	0.5	0.7418	3.085	1.3227	22 52.2	1.2740	5 37.6	0.9092	8.113
30	0.5	0.7446	3.092	1.3235	22 52.4	1.2742	5 33.2	0.9084	8.099
Okt. 1	0.6	0.7473	3.098	1.3243	22 52.6	1.2743	5 29.0	0.9076	8.083
2	0.7	0.7501	3.104	1.3250	22 52.9	1.2745	5 24.7	0.9066	8.064
3	0.7	0.7528	+3.111	1.3258	22 53.1	1.2747	5 20.4	0.9054	+8.043
4	0.8	0.7555	3.118	1.3265	22 53.4	1.2749	5 16.1	0.9042	8.020
5	0.9	0.7583	3.124	1.3273	22 53.7	1.2752	5 11.9	0.9028	7.994
6	0.9	0.7610	3.131	1.3281	22 54.0	1.2755	5 7.6	0.9012	7.966
7	1.0	0.7637	3.137	1.3288	22 54.2	1.2758	5 3.3	0.8996	7.935
8	1.1	0.7665	3.144	1.3296	22 54.5	1.2761	4 59.1	0.8978	7.903
9	1.1	0.7692	+3.150	1.3303	22 54.8	1.2764	4 54.8	0.8959	+7.868
10	1.2	0.7720	3.157	1.3311	22 55.1	1.2768	4 50.6	0.8938	7.830
11	1.3	0.7747	3.164	1.3318	22 55.4	1.2771	4 46.3	0.8915	7.790
12	1.3	0.7774	3.171	1.3326	22 55.7	1.2775	4 42.1	0.8892	7.748
13	1.4	0.7802	3.178	1.3334	22 56.0	1.2780	4 37.8	0.8867	7.703
14	1.5	0.7829	+3.185	1.3342	22 56.4	1.2784	4 33.6	0.8840	+7.656

Tag	f′	g′	G′	Allgemeine Präzession seit 1934.0	Δψ	Δψ′	Wahre Schiefe	Δε	Δε′	j	k
	0h Welt-Zeit										
1934	s in 0.001	" in 0.01	h	"	"	" in 0.01	23° 26′ "	"	" in 0.01	in 0.001	
Sept. 3	+ 6	+10	4.6	33.71	+13.97	+ 9	58.10	+6.18	− 9	87	83
4	+10	10	3.3	33.85	13.95	+16	58.12	6.18	− 8	87	83
5	+13	9	1.9	33.99	13.92	+21	58.16	6.19	− 5	88	83
6	+13	9	0.3	34.12	13.90	+21	58.20	6.19	− 1	88	83
7	+11	8	22.4	34.26	13.87	+19	58.24	6.19	+ 3	88	83
8	+ 8	8	20.5	34.40	13.84	+13	58.28	6.20	+ 7	88	82
9	+ 3	+ 9	18.7	34.54	+13.82	+ 4	58.30	+6.20	+ 9	88	82
10	− 3	10	17.1	34.67	13.79	− 6	58.31	6.20	+10	89	82
11	−10	10	15.6	34.81	13.76	−16	58.30	6.21	+ 8	89	82
12	−15	11	14.0	34.95	13.73	−24	58.27	6.21	+ 6	89	82
13	−17	11	12.5	35.09	13.70	−28	58.23	6.21	+ 1	89	82
14	−17	12	10.9	35.22	13.67	−28	58.18	6.21	− 3	89	82
15	−14	+12	9.4	35.36	+13.64	−23	58.13	+6.21	− 7	90	82
16	− 8	11	7.8	35.50	13.60	−13	58.11	6.21	−10	90	82
17	0	10	6.1	35.64	13.57	− 1	58.10	6.20	−10	90	82
18	+ 7	9	4.1	35.77	13.54	+11	58.12	6.20	− 8	90	82
19	+12	9	1.8	35.91	13.51	+19	58.16	6.20	− 4	90	82
20	+14	9	23.5	36.05	13.47	+23	58.20	6.19	+ 1	90	82
21	+12	+10	21.6	36.19	+13.44	+20	58.25	+6.19	+ 6	91	82
22	+ 8	11	20.0	36.32	13.41	+13	58.28	6.19	+10	91	82
23	+ 2	11	18.6	36.46	13.37	+ 4	58.28	6.18	+11	91	82
24	− 4	10	17.0	36.60	13.34	− 6	58.26	6.17	+ 9	91	82
25	− 8	8	15.2	36.74	13.30	−13	58.22	6.17	+ 6	91	82
26	−10	7	12.7	36.88	13.27	−17	58.16	6.16	+ 1	91	82
27	− 9	+ 7	10.0	37.01	+13.24	−15	58.10	+6.15	− 3	91	82
28	− 6	8	7.9	37.15	13.20	− 9	58.06	6.14	− 7	92	82
29	− 1	9	6.2	37.29	13.17	− 1	58.02	6.13	− 9	92	82
30	+ 4	10	4.9	37.43	13.14	+ 7	58.01	6.12	−10	92	82
Okt. 1	+ 9	10	3.7	37.56	13.10	+15	58.01	6.11	− 8	92	82
2	+12	10	2.3	37.70	13.07	+20	58.03	6.10	− 5	92	82
3	+13	+ 9	0.8	37.84	+13.04	+22	58.05	+6.09	− 2	92	82
4	+12	8	23.0	37.98	13.01	+20	58.08	6.08	+ 2	93	82
5	+ 9	8	21.1	38.11	12.98	+15	58.10	6.06	+ 6	93	82
6	+ 4	9	19.3	38.25	12.95	+ 7	58.11	6.05	+ 8	93	82
7	− 1	10	17.6	38.39	12.92	− 2	58.10	6.03	+10	93	82
8	− 7	10	16.1	38.53	12.89	−12	58.08	6.02	+ 9	93	82
9	−13	+11	14.5	38.66	+12.86	−21	58.04	+6.00	+ 7	93	82
10	−16	11	13.0	38.80	12.83	−27	57.99	5.99	+ 3	94	83
11	−17	11	11.4	38.94	12.80	−28	57.92	5.97	− 2	94	83
12	−14	11	9.8	39.08	12.78	−24	57.86	5.95	− 6	94	83
13	− 9	11	8.2	39.21	12.75	−15	57.81	5.94	− 9	94	83
14	− 2	+11	6.5	39.35	+12.73	− 3	57.78	+5.92	−10	94	83

Tag	0h Welt-Zeit								
	Sternzeit Greenw.	t	f	log g	G	log h	H	log i	i
1934	h	s	s		h m		h m		"
Okt. 14	1.5	0.7829	+3.185	1.3342	22 56.4	1.2784	4 33.6	0.8840	+7.656
15	1.5	0.7856	3.192	1.3349	22 56.7	1.2788	4 29.4	0.8812	7.607
16	1.6	0.7884	3.199	1.3357	22 57.0	1.2793	4 25.2	0.8783	7.556
17	1.7	0.7911	3.206	1.3365	22 57.3	1.2798	4 21.0	0.8752	7.502
18	1.7	0.7939	3.213	1.3373	22 57.7	1.2803	4 16.8	0.8719	7.446
19	1.8	0.7966	3.220	1.3381	22 58.0	1.2808	4 12.6	0.8685	7.388
20	1.9	0.7993	+3.227	1.3389	22 58.4	1.2813	4 8.4	0.8649	+7.327
21	1.9	0.8021	3.235	1.3397	22 58.7	1.2819	4 4.2	0.8612	7.264
22	2.0	0.8048	3.242	1.3405	22 59.1	1.2824	4 0.0	0.8573	7.199
23	2.0	0.8076	3.250	1.3413	22 59.5	1.2830	3 55.9	0.8532	7.131
24	2.1	0.8103	3.257	1.3422	22 59.8	1.2836	3 51.7	0.8489	7.061
25	2.2	0.8130	3.265	1.3430	23 0.2	1.2842	3 47.6	0.8445	6.990
26	2.2	0.8158	+3.273	1.3438	23 0.6	1.2848	3 43.4	0.8399	+6.917
27	2.3	0.8185	3.281	1.3447	23 1.0	1.2854	3 39.2	0.8351	6.841
28	2.4	0.8212	3.289	1.3455	23 1.3	1.2860	3 35.2	0.8301	6.762
29	2.4	0.8240	3.297	1.3464	23 1.7	1.2866	3 31.1	0.8249	6.682
30	2.5	0.8267	3.305	1.3473	23 2.1	1.2873	3 27.0	0.8195	6.600
31	2.6	0.8295	3.313	1.3482	23 2.5	1.2879	3 22.9	0.8140	6.516
Nov. 1	2.6	0.8322	+3.321	1.3491	23 2.9	1.2886	3 18.8	0.8081	+6.429
2	2.7	0.8349	3.330	1.3500	23 3.3	1.2892	3 14.7	0.8021	6.340
3	2.8	0.8377	3.338	1.3509	23 3.7	1.2899	3 10.7	0.7959	6.250
4	2.8	0.8404	3.347	1.3518	23 4.1	1.2905	3 6.6	0.7894	6.158
5	2.9	0.8431	3.356	1.3528	23 4.5	1.2912	3 2.6	0.7828	6.064
6	3.0	0.8459	3.364	1.3537	23 4.8	1.2918	2 58.6	0.7758	5.968
7	3.0	0.8486	+3.373	1.3547	23 5.2	1.2925	2 54.5	0.7686	+5.870
8	3.1	0.8514	3.382	1.3557	23 5.6	1.2931	2 50.5	0.7612	5.770
9	3.2	0.8541	3.391	1.3567	23 6.0	1.2938	2 46.5	0.7534	5.668
10	3.2	0.8568	3.400	1.3577	23 6.4	1.2944	2 42.5	0.7454	5.564
11	3.3	0.8596	3.410	1.3587	23 6.8	1.2951	2 38.6	0.7371	5.459
12	3.4	0.8623	3.419	1.3597	23 7.2	1.2957	2 34.6	0.7285	5.352
13	3.4	0.8650	+3.428	1.3607	23 7.6	1.2964	2 30.6	0.7196	+5.243
14	3.5	0.8678	3.438	1.3617	23 8.0	1.2970	2 26.7	0.7104	5.133
15	3.6	0.8705	3.448	1.3628	23 8.4	1.2976	2 22.8	0.7008	5.021
16	3.6	0.8733	3.458	1.3639	23 8.8	1.2983	2 18.8	0.6908	4.907
17	3.7	0.8760	3.467	1.3649	23 9.2	1.2989	2 14.9	0.6805	4.792
18	3.8	0.8787	3.477	1.3660	23 9.6	1.2995	2 11.0	0.6699	4.676
19	3.8	0.8815	+3.487	1.3671	23 10.0	1.3001	2 7.1	0.6588	+4.558
20	3.9	0.8842	3.497	1.3682	23 10.3	1.3007	2 3.2	0.6472	4.438
21	4.0	0.8870	3.508	1.3693	23 10.7	1.3012	1 59.3	0.6352	4.317
22	4.0	0.8897	3.518	1.3704	23 11.1	1.3018	1 55.4	0.6227	4.195
23	4.1	0.8924	3.528	1.3716	23 11.4	1.3024	1 51.6	0.6097	4.071
24	4.2	0.8952	+3.539	1.3727	23 11.8	1.3029	1 47.7	0.5962	+3.946

Tag	0h Welt-Zeit										
	f'	g'	G'	Allgemeine Präzession seit 1934.0	$\Delta\psi$	$\Delta\psi'$	Wahre Schiefe	$\Delta\varepsilon$	$\Delta\varepsilon'$	j	k
1934	s in 0.001	" in 0.01				" in 0.01	23° 26'		" in 0.01	in 0.001	
Okt. 14	− 2	+11	h 6.5	" 39.35	" +12.73	− 3	" 57.78	" +5.92	−10	94	83
15	+ 5	10	4.6	39.49	12.70	+ 8	57.77	5.90	− 9	94	83
16	+11	9	2.5	39.63	12.68	+18	57.79	5.88	− 5	95	83
17	+14	9	0.3	39.77	12.66	+23	57.81	5.86	− 1	95	83
18	+13	10	22.2	39.90	12.64	+22	57.85	5.84	+ 5	95	83
19	+10	11	20.4	40.04	12.62	+16	57.86	5.82	+ 9	95	83
20	+ 4	+11	18.9	40.18	+12.60	+ 6	57.86	+5.80	+11	95	83
21	− 2	10	17.4	40.32	12.58	− 4	57.83	5.77	+10	95	84
22	− 8	9	15.7	40.45	12.57	−13	57.78	5.75	+ 7	96	84
23	−11	7	13.6	40.59	12.55	−17	57.71	5.73	+ 3	96	84
24	−10	7	11.0	40.73	12.54	−17	57.64	5.71	− 2	96	84
25	− 8	8	8.7	40.87	12.53	−13	57.57	5.68	− 6	96	84
26	− 3	+ 9	6.8	41.00	+12.52	− 5	57.52	+5.66	− 9	96	84
27	+ 2	10	5.4	41.14	12.51	+ 4	57.48	5.63	−10	96	84
28	+ 7	10	4.1	41.28	12.50	+12	57.47	5.61	− 9	97	84
29	+11	10	2.8	41.42	12.50	+18	57.47	5.59	− 6	97	84
30	+13	9	1.3	41.55	12.49	+21	57.48	5.56	− 3	97	85
31	+13	8	23.5	41.69	12.49	+21	57.49	5.54	+ 1	97	85
Nov. 1	+10	+ 8	21.6	41.83	+12.49	+17	57.50	+5.51	+ 5	98	85
2	+ 6	9	19.7	41.97	12.49	+10	57.50	5.48	+ 8	98	85
3	0	9	18.1	42.10	12.49	0	57.49	5.46	+ 9	98	85
4	− 6	10	16.5	42.24	12.49	−10	57.47	5.43	+ 9	98	85
5	−11	10	15.0	42.38	12.49	−19	57.42	5.41	+ 7	98	85
6	−15	11	13.5	42.52	12.50	−25	57.36	5.38	+ 4	99	85
7	−17	+11	11.9	42.66	+12.51	−28	57.29	+5.35	0	99	86
8	−15	11	10.3	42.79	12.52	−25	57.21	5.33	− 5	99	86
9	−11	11	8.6	42.93	12.53	−18	57.15	5.30	− 8	99	86
10	− 4	11	6.9	43.07	12.54	− 6	57.10	5.28	−10	99	86
11	+ 3	10	5.1	43.21	12.56	+ 6	57.08	5.25	−10	100	86
12	+10	10	3.1	43.34	12.57	+17	57.08	5.22	− 7	100	86
13	+14	+ 9	1.0	43.48	+12.59	+23	57.10	+5.20	− 2	100	86
14	+15	10	22.9	43.62	12.61	+24	57.13	5.17	+ 3	100	86
15	+12	11	21.1	43.76	12.63	+19	57.15	5.15	+ 7	101	87
16	+ 6	11	19.5	43.89	12.65	+11	57.14	5.12	+10	101	87
17	0	11	18.0	44.03	12.67	0	57.12	5.09	+11	101	87
18	− 6	9	16.3	44.17	12.70	−10	57.08	5.07	+ 8	101	87
19	−10	+ 8	14.3	44.31	+12.73	−16	57.01	+5.04	+ 4	102	87
20	−11	7	11.8	44.44	12.75	−18	56.93	5.02	0	102	87
21	− 9	8	9.4	44.58	12.78	−15	56.86	4.99	− 5	102	87
22	− 5	9	7.4	44.72	12.81	− 8	56.80	4.97	− 8	102	87
23	0	10	6.1	44.86	12.85	0	56.76	4.95	−10	103	88
24	+ 6	+10	4.6	44.99	+12.88	+ 9	56.74	+4.92	− 9	103	88

Reduktionsgrößen 1934

Tag	0h Welt-Zeit								
	Sternzeit Greenw.	t	f	log g	G	log h	H	log i	i
1934	h	a	s		h m		h m		"
Nov. 24	4.2	0.8952	+3.539	1.3727	23 11.8	1.3029	1 47.7	0.5962	+3.946
25	4.2	0.8979	3.549	1.3738	23 12.2	1.3034	1 43.8	0.5820	3.819
26	4.3	0.9006	3.560	1.3750	23 12.5	1.3039	1 40.0	0.5671	3.691
27	4.3	0.9034	3.571	1.3762	23 12.9	1.3044	1 36.2	0.5518	3.563
28	4.4	0.9061	3.582	1.3774	23 13.2	1.3049	1 32.4	0.5357	3.433
29	4.5	0.9089	3.592	1.3786	23 13.6	1.3054	1 28.5	0.5186	3.301
30	4.5	0.9116	+3.603	1.3798	23 13.9	1.3058	1 24.7	0.5009	+3.169
Dez. 1	4.6	0.9143	3.614	1.3810	23 14.2	1.3063	1 20.9	0.4823	3.036
2	4.7	0.9171	3.626	1.3822	23 14.6	1.3067	1 17.1	0.4627	2.902
3	4.7	0.9198	3.637	1.3834	23 14.9	1.3071	1 13.3	0.4420	2.767
4	4.8	0.9225	3.648	1.3846	23 15.2	1.3075	1 9.5	0.4201	2.631
5	4.9	0.9253	3.659	1.3858	23 15.5	1.3079	1 5.8	0.3969	2.494
6	4.9	0.9280	+3.671	1.3870	23 15.8	1.3082	1 2.0	0.3722	+2.356
7	5.0	0.9308	3.682	1.3883	23 16.1	1.3086	0 58.2	0.3460	2.218
8	5.1	0.9335	3.694	1.3895	23 16.4	1.3089	0 54.4	0.3176	2.078
9	5.1	0.9362	3.705	1.3908	23 16.7	1.3092	0 50.7	0.2874	1.938
10	5.2	0.9390	3.717	1.3920	23 17.0	1.3094	0 46.9	0.2548	1.798
11	5.3	0.9417	3.728	1.3933	23 17.2	1.3097	0 43.2	0.2193	1.657
12	5.3	0.9444	+3.740	1.3945	23 17.5	1.3099	0 39.4	0.1804	+1.515
13	5.4	0.9472	3.752	1.3958	23 17.8	1.3101	0 35.6	0.1374	1.372
14	5.5	0.9499	3.763	1.3971	23 18.0	1.3103	0 31.9	0.0896	1.229
15	5.5	0.9527	3.775	1.3983	23 18.3	1.3105	0 28.2	0.0358	1.086
16	5.6	0.9554	3.787	1.3996	23 18.5	1.3106	0 24.4	9.9745	0.943
17	5.7	0.9581	3.799	1.4009	23 18.7	1.3108	0 20.7	9.9026	0.799
18	5.7	0.9609	+3.810	1.4021	23 18.9	1.3109	0 16.9	9.8162	+0.655
19	5.8	0.9636	3.822	1.4034	23 19.2	1.3110	0 13.2	9.7084	0.511
20	5.9	0.9663	3.834	1.4047	23 19.4	1.3111	0 9.4	9.5635	0.366
21	5.9	0.9691	3.846	1.4060	23 19.6	1.3111	0 5.7	9.3444	0.221
22	6.0	0.9718	3.858	1.4072	23 19.8	1.3111	0 2.0	8.8808	+0.076
23	6.1	0.9746	3.870	1.4085	23 19.9	1.3111	23 58.2	8.8325n	−0.068
24	6.1	0.9773	+3.882	1.4098	23 20.1	1.3111	23 54.5	9.3284n	−0.213
25	6.2	0.9800	3.893	1.4111	23 20.3	1.3110	23 50.8	9.5539n	0.358
26	6.3	0.9828	3.905	1.4123	23 20.4	1.3110	23 47.0	9.7016n	0.503
27	6.3	0.9855	3.917	1.4136	23 20.6	1.3109	23 43.3	9.8109n	0.647
28	6.4	0.9883	3.929	1.4149	23 20.8	1.3108	23 39.5	9.8982n	0.791
29	6.5	0.9910	3.941	1.4161	23 20.9	1.3107	23 35.8	9.9708n	0.935
30	6.5	0.9937	+3.952	1.4174	23 21.0	1.3105	23 32.0	0.0330n	−1.079
31	6.6	0.9965	3.964	1.4186	23 21.2	1.3103	23 28.3	0.0874n	1.223
32	6.6	0.9992	+3.976	1.4199	23 21.3	1.3101	23 24.5	0.1354n	−1.366

Tag	0ʰ Welt-Zeit										
	f'	g'	G'	Allgemeine Präzession seit 1934.0	$\Delta\psi$	$\Delta\psi'$	Wahre Schiefe	$\Delta\varepsilon$	$\Delta\varepsilon'$	j	k
1934	in 0.001 s	in 0.01"				in 0.01"	23°26'		in 0.01"	in 0.001	
Nov. 24	+ 6	+10	4.6 h	44.99"	+12.88"	+ 9	56.74"	+4.92"	− 9	103	88
25	+10	10	3.2	45.13	12.92	+16	56.74	4.90	− 7	103	88
26	+12	9	1.7	45.27	12.95	+20	56.75	4.88	− 4	103	88
27	+13	8	0.0	45.41	12.99	+21	56.76	4.85	0	104	88
28	+11	8	22.1	45.55	13.03	+18	56.78	4.83	+ 4	104	88
29	+ 7	8	20.2	45.68	13.07	+11	56.79	4.81	+ 7	104	88
30	+ 2	+ 9	18.5	45.82	+13.11	+ 3	56.78	+4.79	+ 9	105	88
Dez. 1	− 4	10	16.9	45.96	13.15	− 7	56.77	4.77	+ 9	105	88
2	−10	11	15.3	46.10	13.20	−17	56.73	4.75	+ 8	105	88
3	−15	11	13.9	46.23	13.24	−25	56.68	4.73	+ 5	106	89
4	−17	11	12.4	46.37	13.29	−29	56.62	4.71	+ 1	106	89
5	−17	11	10.8	46.51	13.34	−27	56.55	4.69	− 3	106	89
6	−13	+11	9.2	46.65	+13.39	−21	56.49	+4.67	− 7	106	89
7	− 7	11	7.6	46.78	13.44	−11	56.45	4.65	−10	107	89
8	+ 1	10	5.8	46.92	13.49	+ 1	56.43	4.63	−10	107	89
9	+ 8	10	3.8	47.06	13.54	+13	56.43	4.62	− 8	107	89
10	+13	10	1.6	47.20	13.59	+22	56.46	4.60	− 4	108	89
11	+16	10	23.6	47.33	13.64	+25	56.49	4.59	+ 1	108	89
12	+14	+11	21.8	47.47	+13.69	+23	56.52	+4.57	+ 6	108	89
13	+ 9	11	20.2	47.61	13.75	+15	56.54	4.56	+ 9	109	89
14	+ 3	11	18.7	47.75	13.80	+ 5	56.54	4.54	+11	109	89
15	− 3	10	17.1	47.88	13.86	− 5	56.51	4.53	+ 9	109	89
16	− 8	8	15.1	48.02	13.91	−14	56.46	4.52	+ 6	109	89
17	−11	7	12.6	48.16	13.97	−17	56.40	4.51	+ 1	110	89
18	−10	+ 7	10.0	48.30	+14.02	−16	56.34	+4.50	− 4	110	89
19	− 6	9	7.9	48.44	14.08	−10	56.29	4.49	− 8	110	89
20	− 1	10	6.3	48.57	14.13	− 2	56.26	4.48	−10	111	89
21	+ 4	10	5.0	48.71	14.19	+ 7	56.25	4.47	−10	111	89
22	+ 9	10	3.6	48.85	14.25	+15	56.26	4.46	− 8	111	89
23	+12	9	2.2	48.99	14.30	+20	56.28	4.45	− 5	112	89
24	+13	+ 9	0.5	49.12	+14.36	+21	56.31	+4.45	− 1	112	89
25	+12	8	22.7	49.26	14.42	+19	56.34	4.44	+ 3	112	89
26	+ 8	8	20.7	49.40	14.47	+13	56.37	4.44	+ 6	113	89
27	+ 3	9	18.9	49.54	14.53	+ 5	56.39	4.43	+ 9	113	89
28	− 3	10	17.3	49.67	14.59	− 5	56.39	4.43	+10	113	89
29	− 9	10	15.7	49.81	14.64	−15	56.38	4.43	+ 9	114	89
30	−14	+11	14.3	49.95	+14.70	−23	56.35	+4.42	+ 6	114	89
31	−18	12	12.8	50.09	14.75	−29	56.31	4.42	+ 3	114	89
32	−18	+12	11.4	50.22	+14.81	−30	56.27	+4.42	− 2	115	89

Reduktionsgrößen 1934

für 12^h Sternzeit Greenwich

Welt-Zeit	t	A		A′	B		B′	C		D	
1934	s			in 0.00001	″		in 0.001	″		″	
Jan. 0.224	−0.0023	+0.21401	387	+ 87	−6.667	1	+ 97	− 2.973	329	+20.210	60
1.222	+0.0005	0.21788	386	+222	6.668	2	+ 81	3.302	327	20.150	66
2.219	0.0032	0.22174	385	+319	6.670	3	+ 51	3.629	326	20.084	73
3.216	0.0059	0.22559	384	+354	6.673	3	+ 11	3.955	325	20.011	80
4.214	0.0087	0.22943	382	+318	6.676	4	− 29	4.280	324	19.931	86
5.211	0.0114	0.23325	381	+206	6.680	4	− 68	4.604	323	19.845	92
6.208	0.0141	+0.23706	379	+ 34	−6.684	5	− 94	− 4.927	321	+19.753	98
7.205	0.0169	0.24085	377	−177	6.689	5	−102	5.248	318	19.655	105
8.203	0.0196	0.24462	376	−388	6.694	6	− 90	5.566	317	19.550	111
9.200	0.0223	0.24838	374	−548	6.700	7	− 58	5.883	316	19.439	116
10.197	0.0250	0.25212	371	−620	6.707	7	− 11	6.199	313	19.323	123
11.194	0.0278	0.25583	369	−577	6.714	8	+ 41	6.512	312	19.200	129
12.192	0.0305	+0.25952	368	−423	−6.722	9	+ 82	− 6.824	309	+19.071	135
13.189	0.0332	0.26320	366	−180	6.731	8	+107	7.133	307	18.936	141
14.186	0.0360	0.26686	362	+ 95	6.739	9	+104	7.440	304	18.795	146
15.183	0.0387	0.27048	360	+345	6.748	10	+ 79	7.744	302	18.649	153
16.181	0.0414	0.27408	358	+513	6.758	11	+ 33	8.046	300	18.496	158
17.178	0.0442	0.27766	355	+570	6.769	10	− 20	8.346	297	18.338	164
18.175	0.0469	+0.28121	353	+505	−6.779	11	− 68	− 8.643	294	+18.174	170
19.173	0.0496	0.28474	350	+347	6.790	11	− 99	8.937	291	18.004	176
20.170	0.0524	0.28824	347	+141	6.801	12	−108	9.228	288	17.828	181
21.167	0.0551	0.29171	344	− 64	6.813	12	− 93	9.516	285	17.647	187
22.164	0.0578	0.29515	342	−221	6.825	12	− 58	9.801	282	17.460	192
23.162	0.0605	0.29857	339	−303	6.837	12	− 15	10.083	279	17.268	197
24.159	0.0633	+0.30196	335	−301	−6.849	13	+ 30	−10.362	276	+17.071	202
25.156	0.0660	0.30531	332	−225	6.862	13	+ 68	10.638	272	16.869	208
26.153	0.0687	0.30863	330	− 97	6.875	13	+ 92	10.910	268	16.661	212
27.151	0.0715	0.31193	326	+ 54	6.888	14	+ 98	11.178	266	16.449	218
28.148	0.0742	0.31519	323	+197	6.902	14	+ 87	11.444	261	16.231	224
29.145	0.0769	0.31842	320	+308	6.916	14	+ 63	11.705	258	16.007	228
30.143	0.0797	+0.32162	317	+368	−6.930	14	+ 26	−11.963	254	+15.779	233
31.140	0.0824	0.32479	314	+363	6.944	14	− 13	12.217	250	15.546	238
Febr. 1.137	0.0851	0.32793	310	+281	6.958	14	− 54	12.467	245	15.308	243
2.134	0.0878	0.33103	307	+132	6.972	14	− 86	12.712	243	15.065	246
3.132	0.0906	0.33410	304	− 68	6.986	14	−101	12.955	238	14.819	251
4.129	0.0933	0.33714	301	−284	7.000	14	− 96	13.193	234	14.568	256
5.126	0.0960	+0.34015	298	−470	−7.014	14	− 72	−13.427	230	+14.312	261
6.123	0.0988	0.34313	295	−587	7.028	15	− 30	13.657	225	14.051	265
7.121	0.1015	0.34608	291	−602	7.043	14	+ 20	13.882	220	13.786	268
8.118	0.1042	0.34899	288	−500	7.057	14	+ 67	14.102	216	13.518	273
9.115	0.1070	0.35187	286	−298	7.071	14	+ 99	14.318	212	13.245	278
10.113	0.1097	+0.35473		− 40	−7.085		+109	−14.530		+12.967	

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Welt-Zeit	t	A		A′	B		B′	C		D	
1934	a			in 0.00001	″		in 0.″001	″		″	
Febr. 10.113	0.1097	+0.35473	282	− 40	−7.″085	14	+109	−14.″530	207	+12.″967	281
11.110	0.1124	0.35755	279	+219	7.099	14	+ 92	14.737	203	12.686	285
12.107	0.1152	0.36034	276	+421	7.113	13	+ 53	14.940	198	12.401	287
13.104	0.1179	0.36310	272	+520	7.126	13	+ 2	15.138	193	12.114	292
14.102	0.1206	0.36582	269	+503	7.139	13	− 49	15.331	188	11.822	296
15.099	0.1233	0.36851	267	+382	7.152	13	− 89	15.519	184	11.526	299
16.096	0.1261	+0.37118	264	+194	−7.165	12	−107	−15.703	179	+11.227	303
17.093	0.1288	0.37382	260	− 11	7.177	12	−102	15.882	173	10.924	305
18.091	0.1315	0.37642	257	−185	7.189	12	− 75	16.055	168	10.619	309
19.088	0.1343	0.37899	255	−292	7.201	11	− 34	16.223	164	10.310	312
20.085	0.1370	0.38154	252	−315	7.212	11	+ 13	16.387	158	9.998	315
21.083	0.1397	0.38406	250	−258	7.223	11	+ 54	16.545	153	9.683	318
22.080	0.1425	+0.38656	247	−142	−7.234	10	+ 84	−16.698	148	+ 9.365	320
23.077	0.1452	0.38903	244	+ 5	7.244	10	+ 97	16.846	143	9.045	322
24.074	0.1479	0.39147	243	+156	7.254	9	+ 94	16.989	137	8.723	326
25.072	0.1506	0.39390	240	+284	7.263	9	+ 74	17.126	133	8.397	328
26.069	0.1534	0.39630	238	+366	7.272	8	+ 43	17.259	127	8.069	331
27.066	0.1561	0.39868	235	+384	7.280	8	+ 2	17.386	122	7.738	332
28.063	0.1588	+0.40103	233	+333	−7.288	7	− 39	−17.508	116	+ 7.406	334
März 1.061	0.1616	0.40336	231	+212	7.295	7	− 73	17.624	110	7.072	337
2.058	0.1643	0.40567	229	+ 35	7.302	7	− 96	17.734	105	6.735	338
3.055	0.1670	0.40796	228	−173	7.309	6	−100	17.839	100	6.397	340
4.052	0.1698	0.41024	225	−373	7.315	5	− 82	17.939	94	6.057	343
5.050	0.1725	0.41249	223	−522	7.320	5	− 48	18.033	88	5.714	343
6.047	0.1752	+0.41472	222	−578	−7.325	4	0	−18.121	83	+ 5.371	344
7.044	0.1780	0.41694	220	−527	7.329	3	+ 48	18.204	78	5.027	346
8.042	0.1807	0.41914	219	−369	7.332	3	+ 88	18.282	72	4.681	348
9.039	0.1834	0.42133	218	−134	7.335	2	+106	18.354	66	4.333	349
10.036	0.1861	0.42351	217	+122	7.337	2	+101	18.420	61	3.984	349
11.033	0.1889	0.42568	215	+342	7.339	1	+ 71	18.481	55	3.635	351
12.031	0.1916	+0.42783	214	+478	−7.340	1	+ 24	−18.536	50	+ 3.284	351
13.028	0.1943	0.42997	214	+502	7.341	0	− 28	18.586	44	2.933	352
14.025	0.1971	0.43211	213	+413	7.341	1	− 75	18.630	36	2.581	352
15.022	0.1998	0.43424	212	+245	7.340	2	−103	18.666	34	2.229	353
16.020	0.2025	0.43636	211	+ 36	7.338	3	−106	18.700	27	1.876	354
17.017	0.2053	0.43847	210	−155	7.335	3	− 88	18.727	21	1.522	354
18.014	0.2080	+0.44057	211	−285	−7.332	4	− 50	−18.748	16	+ 1.168	354
19.012	0.2107	0.44268	210	−337	7.328	4	− 4	18.764	10	0.814	354
20.009	0.2134	0.44478	210	−304	7.324	5	+ 39	18.774	5	0.460	354
21.006	0.2162	0.44688	210	−202	7.319	5	+ 76	18.779	1	+ 0.106	353
22.003	0.2189	0.44898	211	− 57	7.314	6	+ 94	18.778	7	− 0.247	353
23.001	0.2216	+0.45109		+101	−7.308		+ 98	−18.771		− 0.600	

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Welt-Zeit	t	A	Δ	A'	B	Δ	B'	C	Δ	D	Δ
1934	s			in 0.00001	″		in 0.″001	″		″	
März 23.001	0.2216	+0.45109	211	+101	−7.308	7	+ 98	−18.771	12	− 0.600	353
23.998	0.2244	0.45320	210	+240	7.301	8	+ 83	18.759	18	0.953	353
24.995	0.2271	0.45530	211	+340	7.293	8	+ 54	18.741	24	1.306	352
25.992	0.2298	0.45741	211	+383	7.285	9	+ 17	18.717	29	1.658	351
26.990	0.2326	0.45952	212	+356	7.276	9	− 24	18.688	34	2.009	351
27.987	0.2353	0.46164	212	+263	7.267	10	− 62	18.654	40	2.360	350
28.984	0.2380	+0.46376	213	+107	−7.257	11	− 89	−18.614	45	− 2.710	348
29.982	0.2408	0.46589	214	− 88	7.246	11	−100	18.569	51	3.058	347
30.979	0.2435	0.46803	215	−290	7.235	11	− 91	18.518	57	3.405	346
31.976	0.2462	0.47018	216	−451	7.224	12	− 63	18.461	62	3.751	346
April 1.973	0.2489	0.47234	218	−546	7.212	14	− 19	18.399	67	4.097	344
2.971	0.2517	0.47452	218	−533	7.198	14	+ 30	18.332	72	4.441	341
3.968	0.2544	+0.47670	219	−413	−7.184	15	+ 73	−18.260	78	− 4.782	340
4.965	0.2571	0.47889	221	−206	7.169	15	+102	18.182	84	5.122	339
5.962	0.2599	0.48110	222	+ 46	7.154	15	+107	18.098	88	5.461	337
6.960	0.2626	0.48332	224	+284	7.139	16	+ 86	18.010	94	5.798	335
7.957	0.2653	0.48556	225	+453	7.123	17	+ 44	17.916	99	6.133	333
8.954	0.2681	0.48781	227	+515	7.106	17	− 10	17.817	103	6.466	331
9.951	0.2708	+0.49008	230	+462	−7.089	17	− 59	−17.714	109	− 6.797	329
10.949	0.2735	0.49238	231	+314	7.072	18	− 95	17.605	114	7.126	327
11.946	0.2762	0.49469	233	+110	7.054	19	−109	17.491	119	7.453	324
12.943	0.2790	0.49702	235	− 99	7.035	19	− 99	17.372	124	7.777	321
13.941	0.2817	0.49937	236	−262	7.016	19	− 67	17.248	130	8.098	319
14.938	0.2844	0.50173	239	−347	6.997	20	− 23	17.118	134	8.417	317
15.935	0.2872	+0.50412	242	−344	−6.977	21	+ 24	−16.984	139	− 8.734	314
16.932	0.2899	0.50654	243	−262	6.956	20	+ 63	16.845	143	9.048	311
17.930	0.2926	0.50897	246	−125	6.936	21	+ 90	16.702	148	9.359	308
18.927	0.2954	0.51143	249	+ 37	6.915	21	+ 98	16.554	154	9.667	306
19.924	0.2981	0.51392	251	+188	6.894	22	+ 90	16.400	158	9.973	302
20.921	0.3008	0.51643	253	+303	6.872	21	+ 66	16.242	163	10.275	299
21.919	0.3036	+0.51896	255	+365	−6.851	22	+ 31	−16.079	166	−10.574	295
22.916	0.3063	0.52151	258	+364	6.829	23	− 9	15.913	171	10.869	294
23.913	0.3090	0.52409	262	+292	6.806	23	− 48	15.742	176	11.163	289
24.911	0.3117	0.52671	264	+155	6.783	23	− 78	15.566	181	11.452	285
25.908	0.3145	0.52935	265	− 29	6.760	23	− 96	15.385	184	11.737	283
26.905	0.3172	0.53200	268	−228	6.737	23	− 95	15.201	188	12.020	278
27.902	0.3199	+0.53468	271	−407	−6.714	23	− 74	−15.013	194	−12.298	276
28.900	0.3227	0.53739	274	−525	6.691	23	− 36	14.819	197	12.574	271
29.897	0.3254	0.54013	277	−551	6.668	24	+ 11	14.622	201	12.845	267
30.894	0.3281	0.54290	279	−466	6.644	24	+ 58	14.421	205	13.112	264
Mai 1.891	0.3309	0.54569	282	−284	6.620	24	+ 92	14.216	210	13.376	259
2.889	0.3336	+0.54851		− 38	−6.596		+108	−14.006		−13.635	

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Welt-Zeit		t	A		A′	B		B′	C		D	
1934		s			in 0.00001	″		in 0.″001	″		″	
Mai	2.889	0.3336	+0.54851	284	− 38	−6.596	24	+108	−14.006	212	−13.635	255
	3.886	0.3363	0.55135	287	+216	6.572	25	+ 96	13.794	217	13.890	253
	4.883	0.3390	0.55422	291	+422	6.547	24	+ 61	13.577	221	14.143	247
	5.880	0.3418	0.55713	294	+532	6.523	24	+ 12	13.356	224	14.390	243
	6.878	0.3445	0.56007	296	+523	6.499	24	− 40	13.132	228	14.633	239
	7.875	0.3472	0.56303	298	+406	6.475	24	− 84	12.904	232	14.872	235
	8.872	0.3500	+0.56601	301	+213	−6.451	24	−106	−12.672	235	−15.107	230
	9.870	0.3527	0.56902	304	− 8	6.427	24	−105	12.437	238	15.337	226
	10.867	0.3554	0.57206	307	−199	6.403	24	− 81	12.199	241	15.563	221
	11.864	0.3582	0.57513	309	−322	6.379	23	− 41	11.958	245	15.784	216
	12.861	0.3609	0.57822	312	−359	6.356	24	+ 7	11.713	248	16.000	213
	13.859	0.3636	0.58134	315	−306	6.332	23	+ 51	11.465	252	16.213	208
	14.856	0.3664	+0.58449	317	−187	−6.309	24	+ 83	−11.213	254	−16.421	202
	15.853	0.3691	0.58766	319	− 29	6.285	23	+ 98	10.959	257	16.623	198
	16.850	0.3718	0.59085	322	+129	6.262	23	+ 96	10.702	261	16.821	193
	17.848	0.3745	0.59407	326	+262	6.239	22	+ 77	10.441	263	17.014	188
	18.845	0.3773	0.59733	328	+347	6.217	22	+ 44	10.178	265	17.202	184
	19.842	0.3800	0.60061	330	+366	6.195	22	+ 6	9.913	269	17.386	179
	20.840	0.3827	+0.60391	332	+315	−6.173	22	− 35	− 9.644	271	−17.565	173
	21.837	0.3855	0.60723	334	+199	6.151	21	− 70	9.373	274	17.738	169
	22.834	0.3882	0.61057	336	+ 27	6.130	21	− 92	9.099	276	17.907	163
	23.831	0.3909	0.61393	339	−170	6.109	21	− 99	8.823	279	18.070	158
	24.829	0.3937	0.61732	341	−368	6.088	20	− 85	8.544	280	18.228	153
	25.826	0.3964	0.62073	342	−515	6.068	20	− 54	8.264	283	18.381	148
	26.823	0.3991	+0.62415	345	−579	−6.048	20	− 9	− 7.981	285	−18.529	143
	27.820	0.4018	0.62760	347	−535	6.028	19	+ 40	7.696	287	18.672	137
	28.818	0.4046	0.63107	349	−384	6.009	19	+ 81	7.409	288	18.809	133
	29.815	0.4073	0.63456	351	−153	5.990	18	+104	7.121	292	18.942	127
	30.812	0.4100	0.63807	353	+112	5.972	18	+104	6.829	293	19.069	121
	31.810	0.4128	0.64160	354	+353	5.954	17	+ 78	6.536	294	19.190	116
Juni	1.807	0.4155	+0.64514	356	+514	−5.937	17	+ 34	− 6.242	297	−19.306	111
	2.804	0.4182	0.64870	357	+563	5.920	17	− 19	5.945	297	19.417	105
	3.801	0.4210	0.65227	359	+491	5.903	16	− 67	5.648	299	19.522	100
	4.799	0.4237	0.65586	360	+326	5.887	16	− 99	5.349	300	19.622	94
	5.796	0.4264	0.65946	362	+109	5.871	15	−108	5.049	303	19.716	89
	6.793	0.4292	0.66308	363	−105	5.856	14	− 93	4.746	303	19.805	84
	7.790	0.4319	+0.66671	364	−262	−5.842	14	− 59	− 4.443	304	−19.889	78
	8.788	0.4346	0.67035	365	−335	5.828	14	− 12	4.139	305	19.967	72
	9.785	0.4373	0.67400	366	−320	5.814	13	+ 35	3.834	307	20.039	67
	10.782	0.4401	0.67766	368	−227	5.801	13	+ 71	3.527	308	20.106	61
	11.779	0.4428	0.68134	368	− 82	5.788	12	+ 94	3.219	308	20.167	56
	12.777	0.4455	+0.68502		+ 82	−5.776		+ 98	− 2.911		−20.223	

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Welt-Zeit	t	A		A'	B		B'	C		D	
1934	a			in 0.00001	″		in 0.″001	″		″	
Juni 12.777	0.4455	+0.68502	369	+ 82	−5.776	12	+ 98	−2.911	308	−20.223	49
13.774	0.4483	0.68871	370	+228	5.764	11	+ 84	2.603	310	20.272	45
14.771	0.4510	0.69241	370	+331	5.753	10	+ 56	2.293	310	20.317	39
15.769	0.4537	0.69611	370	+372	5.743	10	+ 21	1.983	310	20.356	33
16.766	0.4565	0.69981	371	+345	5.733	9	− 20	1.673	311	20.389	27
17.763	0.4592	0.70352	372	+249	5.724	8	− 58	1.362	312	20.416	22
18.760	0.4619	+0.70724	372	+ 94	−5.716	8	− 85	−1.050	311	−20.438	16
19.758	0.4646	0.71096	372	−105	5.708	7	− 98	0.739	312	20.454	10
20.755	0.4674	0.71468	372	−310	5.701	6	− 92	0.427	312	20.464	6
21.752	0.4701	0.71840	372	−486	5.695	6	− 68	−0.115	312	20.470	−1
22.749	0.4728	0.72212	371	−593	5.689	6	− 27	+0.197	311	20.469	7
23.747	0.4756	0.72583	372	−599	5.683	5	+ 20	0.508	312	20.462	11
24.744	0.4783	+0.72955	372	−493	−5.678	5	+ 65	+0.820	311	−20.451	17
25.741	0.4810	0.73327	371	−291	5.673	4	+ 96	1.131	311	20.434	25
26.739	0.4838	0.73698	371	− 30	5.669	4	+107	1.442	311	20.409	28
27.736	0.4865	0.74069	370	+232	5.665	3	+ 92	1.753	310	20.381	34
28.733	0.4892	0.74439	370	+441	5.662	1	+ 54	2.063	310	20.347	40
29.730	0.4920	0.74809	369	+546	5.661	1	+ 3	2.373	309	20.307	46
30.728	0.4947	+0.75178	368	+532	−5.660	1	− 48	+2.682	307	−20.261	52
Juli 1.725	0.4974	0.75546	367	+410	5.659	1	− 89	2.989	307	20.209	56
2.722	0.5001	0.75913	366	+216	5.658	1	−107	3.296	307	20.153	64
3.719	0.5029	0.76279	365	0	5.657	−1	−101	3.603	305	20.089	67
4.717	0.5056	0.76644	364	−185	5.658	2	− 74	3.908	305	20.022	73
5.714	0.5083	0.77008	363	−293	5.660	2	− 30	4.213	303	19.949	79
6.711	0.5111	+0.77371	361	−311	−5.662	2	+ 18	+4.516	301	−19.870	85
7.709	0.5138	0.77732	360	−246	5.664	3	+ 60	4.817	301	19.785	90
8.706	0.5165	0.78092	360	−116	5.667	3	+ 88	5.118	299	19.695	95
9.703	0.5193	0.78452	358	+ 42	5.670	4	+ 98	5.417	298	19.600	101
10.700	0.5220	0.78810	356	+196	5.674	4	+ 91	5.715	295	19.499	106
11.698	0.5247	0.79166	355	+318	5.678	4	+ 68	6.010	295	19.393	112
12.695	0.5274	+0.79521	353	+383	−5.682	5	+ 35	+6.305	293	−19.281	117
13.692	0.5302	0.79874	351	+382	5.687	5	− 6	6.598	291	19.164	122
14.689	0.5329	0.80225	348	+309	5.692	6	− 44	6.889	289	19.042	127
15.687	0.5356	0.80573	346	+174	5.698	6	− 76	7.178	287	18.915	132
16.684	0.5384	0.80919	345	− 14	5.704	7	− 95	7.465	285	18.783	137
17.681	0.5411	0.81264	344	−223	5.711	7	− 97	7.750	283	18.646	143
18.678	0.5438	+0.81608	341	−422	−5.718	8	− 79	+8.033	281	−18.503	148
19.676	0.5466	0.81949	339	−566	5.726	8	− 45	8.314	278	18.355	154
20.673	0.5493	0.82288	338	−622	5.734	9	0	8.592	277	18.201	158
21.670	0.5520	0.82626	335	−571	5.743	8	+ 47	8.869	274	18.043	163
22.667	0.5548	0.82961	332	−415	5.751	9	+ 86	9.143	271	17.880	168
23.665	0.5575	+0.83293		−179	−5.760		+104	+9.414		−17.712	

für 12^h Sternzeit Greenwich

Welt-Zeit		t	A		A'	B		B'	C		D	
1934		s			in 0.00001	"		in 0".001	"		"	
Juli	23.665	0.5575	+0.83293	329	−179	−5.760	9	+104	+ 9.414	269	−17.712	172
	24.662	0.5602	0.83622	327	+ 85	5.769	10	+ 99	9.683	266	17.540	178
	25.659	0.5629	0.83949	325	+322	5.779	10	+ 70	9.949	264	17.362	183
	26.657	0.5657	0.84274	324	+476	5.789	10	+ 24	10.213	260	17.179	188
	27.654	0.5684	0.84598	321	+517	5.799	10	− 28	10.473	258	16.991	192
	28.651	0.5711	0.84919	318	+444	5.809	11	− 75	10.731	255	16.799	197
	29.648	0.5739	+0.85237	315	+284	−5.820	11	−103	+10.986	252	−16.602	201
	30.646	0.5766	0.85552	312	+ 78	5.831	11	−106	11.238	249	16.401	207
	31.643	0.5793	0.85864	310	−116	5.842	10	− 86	11.487	245	16.194	211
Aug.	1.640	0.5821	0.86174	307	−250	5.852	11	− 48	11.732	243	15.983	215
	2.638	0.5848	0.86481	305	−299	5.863	11	− 1	11.975	239	15.768	219
	3.635	0.5875	0.86786	302	−261	5.874	12	+ 45	12.214	237	15.549	224
	4.632	0.5902	+0.87088	300	−149	−5.886	11	+ 79	+12.451	232	−15.325	229
	5.629	0.5930	0.87388	297	+ 4	5.897	12	+ 98	12.683	230	15.096	233
	6.627	0.5957	0.87685	294	+164	5.909	11	+ 96	12.913	225	14.863	237
	7.624	0.5984	0.87979	291	+300	5.920	12	+ 79	13.138	222	14.626	241
	8.621	0.6012	0.88270	288	+388	5.932	12	+ 48	13.360	219	14.385	245
	9.618	0.6039	0.88558	286	+410	5.944	12	+ 10	13.579	214	14.140	248
	10.616	0.6066	+0.88844	283	+368	−5.956	11	− 29	+13.793	211	−13.892	253
	11.613	0.6094	0.89127	279	+255	5.967	12	− 65	14.004	207	13.639	258
	12.610	0.6121	0.89406	277	+ 86	5.979	11	− 88	14.211	203	13.381	261
	13.607	0.6148	0.89683	275	−118	5.990	12	− 97	14.414	199	13.120	264
	14.605	0.6176	0.89958	272	−325	6.002	11	− 86	14.613	196	12.856	268
	15.602	0.6203	0.90230	269	−496	6.013	11	− 60	14.809	191	12.588	272
	16.599	0.6230	+0.90499	267	−595	−6.024	11	− 18	+15.000	187	−12.316	275
	17.597	0.6257	0.90766	265	−594	6.035	10	+ 29	15.187	182	12.041	279
	18.594	0.6285	0.91031	262	−489	6.045	11	+ 72	15.369	180	11.762	282
	19.591	0.6312	0.91293	258	−292	6.056	11	+ 98	15.549	174	11.480	286
	20.588	0.6339	0.91551	256	− 44	6.067	10	+105	15.723	170	11.194	288
	21.586	0.6367	0.91807	253	+200	6.077	10	+ 85	15.893	165	10.906	293
	22.583	0.6394	+0.92060	251	+387	−6.087	10	+ 44	+16.058	161	−10.613	296
	23.580	0.6421	0.92311	249	+471	6.097	9	− 7	16.219	157	10.317	298
	24.577	0.6449	0.92560	247	+442	6.106	9	− 56	16.376	152	10.019	301
	25.575	0.6476	0.92807	244	+316	6.115	9	− 94	16.528	147	9.718	303
	26.572	0.6503	0.93051	242	+127	6.124	8	−107	16.675	144	9.415	308
	27.569	0.6530	0.93293	240	− 71	6.132	8	− 98	16.819	138	9.107	309
	28.567	0.6558	+0.93533	238	−225	−6.140	8	− 64	+16.957	133	− 8.798	312
	29.564	0.6585	0.93771	235	−301	6.148	7	− 21	17.090	128	8.486	315
	30.561	0.6612	0.94006	233	−287	6.155	7	+ 28	17.218	124	8.171	317
	31.558	0.6640	0.94239	230	−193	6.162	6	+ 67	17.342	118	7.854	320
Sept.	1.556	0.6667	0.94469	229	− 47	6.168	6	+ 94	17.460	114	7.534	322
	2.553	0.6694	+0.94698		+121	−6.174		+ 99	+17.574		− 7.212	

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Welt-Zeit	t	A		A'	B		B'	C		D	
1934	s			in 0.00001	"		in 0.001 "	"		"	
Sept. 2.553	0.6694	+0.94698	228	+121	−6.174	6	+ 99	+17.574	110	−7.212	324
3.550	0.6722	0.94926	226	+272	6.180	5	+ 87	17.684	104	6.888	325
4.547	0.6749	0.95152	223	+379	6.185	4	+ 60	17.788	99	6.563	328
5.545	0.6776	0.95375	222	+428	6.189	4	+ 24	17.887	94	6.235	331
6.542	0.6804	0.95597	220	+408	6.193	4	− 16	17.981	89	5.904	332
7.539	0.6831	0.95817	219	+320	6.197	3	− 52	18.070	84	5.572	333
8.537	0.6858	+0.96036	218	+171	−6.200	3	− 80	+18.154	78	−5.239	335
9.534	0.6885	0.96254	216	− 18	6.203	2	− 95	18.232	74	4.904	338
10.531	0.6913	0.96470	214	−221	6.205	1	− 92	18.306	68	4.566	338
11.528	0.6940	0.96684	213	−405	6.206	1	− 72	18.374	63	4.228	340
12.526	0.6967	0.96897	212	−535	6.207	0	− 35	18.437	58	3.888	342
13.523	0.6995	0.97109	211	−579	6.207	0	+ 11	18.495	53	3.546	342
14.520	0.7022	+0.97320	211	−517	−6.207	1	+ 55	+18.548	47	−3.204	343
15.517	0.7049	0.97531	210	−358	6.206	1	+ 91	18.595	42	2.861	344
16.515	0.7077	0.97741	209	−134	6.205	2	+104	18.637	37	2.517	346
17.512	0.7104	0.97950	208	+108	6.203	3	+ 95	18.674	31	2.171	346
18.509	0.7131	0.98158	208	+312	6.200	3	+ 62	18.705	25	1.825	347
19.506	0.7158	0.98366	207	+432	6.197	4	+ 14	18.730	20	1.478	348
20.504	0.7186	+0.98573	206	+441	−6.193	5	− 37	+18.750	16	−1.130	348
21.501	0.7213	0.98779	206	+345	6.188	6	− 82	18.766	9	0.782	348
22.498	0.7240	0.98985	205	+172	6.182	6	−106	18.775	4	0.434	349
23.496	0.7268	0.99190	206	− 30	6.176	6	−105	18.779	−2	−0.085	349
24.493	0.7295	0.99396	206	−205	6.170	7	− 80	18.777	6	+0.264	349
25.490	0.7322	0.99602	206	−312	6.163	8	− 39	18.771	13	0.613	349
26.487	0.7350	+0.99808	206	−328	−6.155	9	+ 9	+18.758	17	+0.962	349
27.485	0.7377	1.00014	207	−255	6.146	10	+ 54	18.741	24	1.311	349
28.482	0.7404	1.00221	208	−116	6.136	10	+ 85	18.717	28	1.660	349
29.479	0.7432	1.00429	208	+ 53	6.126	10	+ 98	18.689	34	2.009	348
30.476	0.7459	1.00637	208	+219	6.116	11	+ 94	18.655	40	2.357	347
Okt. 1.474	0.7486	1.00845	209	+348	6.105	11	+ 72	18.615	45	2.704	347
2.471	0.7513	+1.01054	209	+423	−6.094	12	+ 40	+18.570	51	+3.051	347
3.468	0.7541	1.01263	211	+429	6.082	12	0	18.519	56	3.398	345
4.466	0.7568	1.01474	212	+362	6.070	13	− 38	18.463	62	3.743	345
5.463	0.7595	1.01686	213	+237	6.057	14	− 70	18.401	67	4.088	344
6.460	0.7623	1.01899	215	+ 62	6.043	15	− 90	18.334	73	4.432	343
7.457	0.7650	1.02114	216	−134	6.028	15	− 94	18.261	78	4.775	341
8.455	0.7677	+1.02330	217	−326	−6.013	16	− 80	+18.183	83	+5.116	340
9.452	0.7705	1.02547	218	−474	5.997	17	− 50	18.100	89	5.456	339
10.449	0.7732	1.02765	220	−549	5.980	17	− 7	18.011	94	5.795	336
11.446	0.7759	1.02985	222	−525	5.963	18	+ 38	17.917	100	6.131	336
12.444	0.7786	1.03207	224	−403	5.945	18	+ 78	17.817	105	6.467	334
13.441	0.7814	+1.03431		−201	−5.927		+100	+17.712		+6.801	

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Welt-Zeit	t	A		A′	B		B′	C		D	
1934	a			in 0.00001	″		in 0.″001	″		″	
Okt. 13.441	0.7814	+1.03431	225	−201	−5.927	19	+100	+17.712	110	+ 6.801	332
14.438	0.7841	1.03656	227	+ 37	5.908	19	+101	17.602	116	7.133	330
15.436	0.7868	1.03883	229	+260	5.889	19	+ 78	17.486	120	7.463	328
16.433	0.7896	1.04112	232	+411	5.870	20	+ 35	17.366	126	7.791	326
17.430	0.7923	1.04344	234	+461	5.850	21	− 17	17.240	131	8.117	323
18.427	0.7950	1.04578	236	+397	5.829	21	− 66	17.109	137	8.440	321
19.425	0.7978	+1.04814	238	+241	−5.808	22	− 98	+16.972	142	+ 8.761	319
20.422	0.8005	1.05052	241	+ 36	5.786	22	−106	16.830	146	9.080	317
21.419	0.8032	1.05293	243	−161	5.764	22	− 93	16.684	152	9.397	313
22.416	0.8060	1.05536	245	−305	5.742	23	− 56	16.532	157	9.710	311
23.414	0.8087	1.05781	248	−357	5.719	23	− 9	16.375	162	10.021	308
24.411	0.8114	1.06029	251	−320	5.696	23	+ 38	16.213	167	10.329	305
25.408	0.8141	+1.06280	254	−198	−5.673	24	+ 75	+16.046	172	+10.634	302
26.405	0.8169	1.06534	257	− 32	5.649	24	+ 97	15.874	176	10.936	299
27.403	0.8196	1.06791	259	+146	5.625	24	+ 97	15.698	181	11.235	295
28.400	0.8223	1.07050	262	+297	5.601	25	+ 81	15.517	187	11.530	293
29.397	0.8251	1.07312	265	+396	5.576	25	+ 52	15.330	191	11.823	289
30.395	0.8278	1.07577	268	+429	5.551	25	+ 13	15.139	195	12.112	285
31.392	0.8305	+1.07845	271	+388	−5.526	26	− 26	+14.944	201	+12.397	283
Nov. 1.389	0.8333	1.08116	275	+285	5.500	26	− 61	14.743	205	12.680	278
2.386	0.8360	1.08391	277	+125	5.474	26	− 85	14.538	210	12.958	274
3.384	0.8387	1.08668	279	− 67	5.448	25	− 95	14.328	213	13.232	270
4.381	0.8414	1.08947	283	−264	5.423	26	− 87	14.115	218	13.502	267
5.378	0.8442	1.09230	286	−429	5.397	26	− 63	13.897	223	13.769	262
6.375	0.8469	+1.09516	290	−532	−5.371	26	− 24	+13.674	227	+14.031	258
7.373	0.8496	1.09806	293	−542	5.345	26	+ 21	13.447	232	14.289	254
8.370	0.8524	1.10099	296	−453	5.319	26	+ 62	13.215	235	14.543	250
9.367	0.8551	1.10395	298	−274	5.293	27	+ 94	12.980	239	14.793	245
10.365	0.8578	1.10693	302	− 39	5.266	26	+103	12.741	244	15.038	241
11.362	0.8606	1.10995	305	+199	5.240	27	+ 89	12.497	247	15.279	237
12.359	0.8633	+1.11300	308	+390	−5.213	26	+ 54	+12.250	251	+15.516	231
13.356	0.8660	1.11608	311	+484	5.187	25	+ 3	11.999	255	15.747	226
14.354	0.8688	1.11919	315	+460	5.162	26	− 47	11.744	258	15.973	222
15.351	0.8715	1.12234	318	+337	5.136	25	− 87	11.486	263	16.195	217
16.348	0.8742	1.12552	321	+138	5.111	25	−106	11.223	267	16.412	213
17.345	0.8769	1.12873	324	− 75	5.086	25	−101	10.956	269	16.625	207
18.343	0.8797	+1.13197	327	−253	−5.061	25	− 72	+10.687	273	+16.832	202
19.340	0.8824	1.13524	329	−350	5.036	25	− 28	10.414	276	17.034	197
20.337	0.8851	1.13853	333	−352	5.011	25	+ 21	10.138	279	17.231	192
21.334	0.8879	1.14186	336	−265	4.986	25	+ 62	9.859	282	17.423	186
22.332	0.8906	1.14522	338	−111	4.961	24	+ 91	9.577	286	17.609	181
23.329	0.8933	+1.14860		+ 71	−4.937		+ 99	+ 9.291		+17.790	

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Welt-Zeit	t	A		A'	B		B'	C		D	
1934	h			in 0.00001	"		in 0.001"	"		"	
Nov. 23.329	0.8933	+1.14860	341	+ 71	−4.937	24	+ 99	+9.291	289	+17.790	175
24.326	0.8961	1.15201	343	+235	4.913	23	+ 90	9.002	292	17.965	170
25.324	0.8988	1.15544	346	+361	4.890	22	+ 65	8.710	294	18.135	164
26.321	0.9015	1.15890	349	+419	4.868	22	+ 28	8.416	297	18.299	159
27.318	0.9042	1.16239	351	+405	4.846	21	− 12	8.119	300	18.458	153
28.315	0.9070	1.16590	354	+320	4.825	22	− 50	7.819	303	18.611	147
29.313	0.9097	+1.16944	357	+178	−4.803	21	− 76	+7.516	304	+18.758	142
30.310	0.9124	1.17301	359	− 9	4.782	21	− 92	7.212	306	18.900	136
Dez. 1.307	0.9152	1.17660	361	−207	4.761	20	− 94	6.906	309	19.036	130
2.304	0.9179	1.18021	363	−391	4.741	20	− 74	6.597	312	19.166	124
3.302	0.9206	1.18384	365	−522	4.721	20	− 42	6.285	315	19.290	118
4.299	0.9234	1.18749	367	−569	4.701	19	+ 2	5.970	315	19.408	112
5.296	0.9261	+1.19116	369	−517	−4.682	18	+ 47	+5.655	317	+19.520	106
6.294	0.9288	1.19485	370	−370	4.664	17	+ 84	5.338	319	19.626	99
7.291	0.9316	1.19855	373	−146	4.647	16	+102	5.019	321	19.725	94
8.288	0.9343	1.20228	374	+105	4.631	16	+ 97	4.698	322	19.819	88
9.285	0.9370	1.20602	375	+325	4.615	16	+ 70	4.376	323	19.907	81
10.283	0.9397	1.20977	377	+470	4.599	15	+ 25	4.053	326	19.988	75
11.280	0.9425	+1.21354	379	+504	−4.584	15	− 26	+3.727	326	+20.063	68
12.277	0.9452	1.21733	380	+423	4.569	14	− 72	3.401	327	20.131	63
13.274	0.9479	1.22113	380	+254	4.555	13	−100	3.074	329	20.194	56
14.272	0.9507	1.22493	381	+ 38	4.542	12	−105	2.745	329	20.250	50
15.269	0.9534	1.22874	383	−163	4.530	12	− 85	2.416	331	20.300	44
16.266	0.9561	1.23257	383	−301	4.518	11	− 47	2.085	331	20.344	37
17.264	0.9589	+1.23640	384	−346	−4.507	11	+ 2	+1.754	331	+20.381	31
18.261	0.9616	1.24024	384	−296	4.496	10	+ 48	1.423	332	20.412	24
19.258	0.9643	1.24408	385	−168	4.486	9	+ 82	1.091	333	20.436	18
20.255	0.9670	1.24793	385	+ 6	4.477	8	+ 98	0.758	332	20.454	10
21.253	0.9698	1.25178	385	+181	4.469	8	+ 95	0.426	333	20.464	5
22.250	0.9725	1.25563	385	+322	4.461	7	+ 75	+0.093	333	20.469	1
23.247	0.9752	+1.25948	385	+408	−4.454	7	+ 41	−0.240	333	+20.468	8
24.244	0.9780	1.26333	385	+421	4.447	6	+ 2	0.573	333	20.460	14
25.242	0.9807	1.26718	384	+359	4.441	4	− 36	0.906	333	20.446	20
26.239	0.9834	1.27102	384	+235	4.437	4	− 68	1.239	332	20.426	27
27.236	0.9862	1.27486	384	+ 61	4.433	4	− 88	1.571	332	20.399	34
28.233	0.9889	1.27870	383	−139	4.429	3	− 94	1.903	330	20.365	40
29.231	0.9916	+1.28253	383	−337	−4.426	2	− 82	−2.233	330	+20.325	47
30.228	0.9944	1.28636	381	−494	4.424	1	− 55	2.563	330	20.278	53
31.225	0.9971	1.29017	381	−583	4.423	1	− 15	2.893	329	20.225	59
32.222	0.9998	+1.29398		−577	−4.422		+ 29	−3.222		+20.166	

Übertragung mittlerer Sternörter

von dem Äquinoktium t_1 auf $t_2 = 1934.0$

t_1	$m^s(t_2-t_1)$	$\log[n^s(t_2-t_1)]$	$\log[n''(t_2-t_1)]$
	m s		
1755	+9 9.763	2.378911	3.555002
1790	7 22.314	2.284388	3.460479
1800	6 51.610	2.253121	3.429212
1810	6 20.904	2.219428	3.395520
1825	5 34.843	2.163420	3.339511
1830	+5 19.488	2.143022	3.319113
1835	5 4.133	2.121619	3.297710
1840	4 48.777	2.099107	3.275198
1845	4 33.420	2.075365	3.251456
1850	4 18.064	2.050249	3.226340
1855	+4 2.707	2.023592	3.199683
1860	3 47.349	1.99519	3.171283
1865	3 31.991	1.96480	3.140896
1870	3 16.632	1.93213	3.108222
1875	3 1.273	1.89680	3.072890
1880	+2 45.913	1.85834	3.034427
1885	2 30.553	1.81613	2.99222
1890	2 15.193	1.76939	2.94548
1895	1 59.832	1.71699	2.89308
1900	1 44.470	1.65740	2.83349
1905	+1 29.108	1.58832	2.76441
1910	1 13.746	1.50613	2.68222
1915	0 58.383	1.40466	2.58075
1920	0 43.020	1.27203	2.44812
1925	0 27.656	1.08014	2.25623
1930	+0 12.292	0.72796	1.90405
1935	−0 3.073	0.12589*n*	1.30198*n*

Sind α_1, δ_1 die Koordinaten für t_1 und α_2, δ_2 jene für $t_2 = 1934.0$, ist ferner α', δ' der genäherte Sternort für die Zeit

$$\frac{1}{2}(t_1 + t_2),$$

so ist

$$\alpha_2 = \alpha_1 + m^s(t_2 - t_1) + [n^s(t_2 - t_1)] \sin \alpha' \operatorname{tg} \delta'$$
$$\delta_2 = \delta_1 + [n''(t_2 - t_1)] \cos \alpha'$$

Übertragung mittlerer Polsternörter

von dem Äquinoktium t_1 auf $t_2 = 1934.0$

t_1	$90° - (N)$	$(m) + (N) - 90°$	(n)
1755	+68′ 42″.06	+68′ 44″.60	+59′ 48″.99
1790	55 16.59	55 18.24	48 7.09
1800	51 26.41	51 27.83	44 46.55
1810	47 36.21	47 37.43	41 26.02
1825	41 50.87	41 51.82	36 25.24
1830	+39 55.75	+39 56.61	34 44.98
1835	38 0.62	38 1.40	33 4.73
1840	36 5.49	36 6.19	31 24.47
1845	34 10.35	34 10.98	29 44.22
1850	32 15.20	32 15.77	28 3.97
1855	+30 20.05	+30 20.55	26 23.72
1860	28 24.90	28 25.34	24 43.47
1865	26 29.74	26 30.12	23 3.22
1870	24 34.58	24 34.91	21 22.98
1875	22 39.41	22 39.69	19 42.73
1880	+20 44.23	+20 44.47	18 2.49
1885	18 49.05	18 49.24	16 22.25
1890	16 53.86	16 54.02	14 42.01
1895	14 58.67	14 58.80	13 1.78
1900	13 3.47	13 3.57	11 21.54
1905	+11 8.27	+11 8.34	9 41.31
1910	9 13.07	9 13.12	8 1.08
1915	7 17.85	7 17.89	6 20.85
1920	5 22.64	5 22.65	4 40.63
1925	3 27.41	3 27.42	3 0.40
1930	+ 1 32.18	+ 1 32.19	+ 1 20.18
1935	− 0 23.05	− 0 23.05	− 0 20.04

Sind α_1, δ_1 die Koordinaten für t_1 und α_2, δ_2 jene für $t_2 = 1934.0$, so hat man

zur Reduktion von dem Äquinoktium t_1 auf t_2:

$$a_1 = \alpha_1 + [90° - (N)]$$

$$p_1 = \left(\operatorname{tang} \delta_1 + \cos a_1 \operatorname{tang} \tfrac{1}{2}(n)\right) \sin (n)$$

$$\operatorname{tang} \Delta a_1 = \frac{p_1 \sin a_1}{1 - p_1 \cos a_1}$$

$$\alpha_2 = a_1 + [(m) + (N) - 90°] + \Delta a_1$$

$$\operatorname{tang} \tfrac{1}{2}(\delta_2 - \delta_1) = \cos (a_1 + \tfrac{1}{2}\Delta a_1) \sec \tfrac{1}{2}\Delta a_1 \operatorname{tang} \tfrac{1}{2}(n)$$

zur Reduktion von dem Äquinoktium t_2 auf t_1:

$$a_2 = \alpha_2 - [(m) + (N) - 90°]$$

$$p_2 = -\left(\operatorname{tang} \delta_2 - \cos a_2 \operatorname{tang} \tfrac{1}{2}(n)\right) \sin (n)$$

$$\operatorname{tang} \Delta a_2 = \frac{p_2 \sin a_2}{1 - p_2 \cos a_2}$$

$$\alpha_1 = a_2 - [90° - (N)] + \Delta a_2$$

$$\operatorname{tang} \tfrac{1}{2}(\delta_1 - \delta_2) = -\cos\left(a_2 + \tfrac{1}{2}\Delta a_2\right) \sec \tfrac{1}{2}\Delta a_2 \operatorname{tang} \tfrac{1}{2}(n)$$

Reduktion von Koordinatendifferenzen scheinbarer Örter auf Differenzen mittlerer Örter für den Jahresanfang.

Sind $\Delta\alpha$ und $\Delta\delta$ die gemessenen Koordinatendifferenzen der scheinbaren Örter im Sinne Objekt minus Stern, $d\Delta\alpha$ und $d\Delta\delta$ die an ihnen anzubringenden Korrektionen, um Koordinatendifferenzen zu erhalten, die sich auf das mittlere Äquinoktium des Jahresanfangs beziehen, so wird

$$d\Delta\alpha = (d\Delta\alpha)_1 + (d\Delta\alpha)_2$$
$$d\Delta\delta = (d\Delta\delta)_1 + (d\Delta\delta)_2,$$

wobei

$$(d\Delta\alpha)_1 = -j\cos(G+\alpha)\frac{\operatorname{tg}\delta}{15}\Delta\alpha^{\mathrm{m}} - j\sin(G+\alpha)\frac{\sec^2\delta}{225}\Delta\delta'$$

$$(d\Delta\alpha)_2 = -k\cos(H+\alpha)\frac{\sec\delta}{15}\Delta\alpha^{\mathrm{m}} - k\sin(H+\alpha)\frac{\operatorname{tg}\delta\sec\delta}{225}\Delta\delta'$$

$$(d\Delta\delta)_1 = j\sin(G+\alpha)\Delta\alpha^{\mathrm{m}}$$

$$(d\Delta\delta)_2 = k\sin(H+\alpha)\sin\delta\Delta\alpha^{\mathrm{m}} - k\cos(H+\alpha)\frac{\cos\delta}{15}\Delta\delta' + [0.0003\, i\sin\delta\Delta\delta']$$

Hierin bezeichnen $(d\Delta\alpha)_1$ und $(d\Delta\delta)_1$ den Einfluß der Präzession und Nutation, $(d\Delta\alpha)_2$ und $(d\Delta\delta)_2$ den Einfluß der Aberration.

Die Größen G, H, j, k, i sind auf S. 238* – 255* zu finden. Die Faktoren $\frac{1}{15}\operatorname{tg}\delta$, $\frac{1}{225}\sec^2\delta$, $\frac{1}{15}\sec\delta$, $\frac{1}{225}\operatorname{tg}\delta\sec\delta$, $\sin\delta$, $\frac{1}{15}\cos\delta$ entnehme man der Zusammenstellung auf S. 268*. Die numerischen Werte der Funktionen sinus und cosinus sind auf S. 269* enthalten. $\Delta\alpha^{\mathrm{m}}$ bedeutet die in Zeitminuten ausgedrückte gemessene Rektaszensionsdifferenz, $\Delta\delta'$ ist die in Bogenminuten ausgedrückte gemessene Deklinationsdifferenz. Die Größen $d\Delta\alpha$ und $d\Delta\delta$ ergeben sich in Zeit- bzw. Bogensekunden. Das in eckige Klammern gesetzte Glied $0.0003\, i\sin\delta\Delta\delta'$ in der Formel für $(d\Delta\delta)_2$ beträgt für $\Delta\delta' = 10'$ im Maximum $0\overset{''}{.}02$ und kann daher in den meisten Fällen unberücksichtigt bleiben.

Reduktionsgrößen 1934

δ	$\frac{1}{15}\operatorname{tg}\delta$	$\frac{1}{225}\sec^2\delta$	$\frac{1}{15}\sec\delta$	$\frac{1}{225}\operatorname{tg}\delta\sec\delta$	$\sin\delta$	$\frac{1}{15}\cos\delta$	$\operatorname{tg}\delta$	$\frac{1}{15}\sec^2\delta$	δ
0°	0.000	0.004	0.067	0.000	0.00	0.07	0.00	0.07	0°
5	0.006	0.004	0.067	0.000	0.09	0.07	0.09	0.07	5
10	0.012	0.005	0.068	0.001	0.17	0.07	0.18	0.07	10
15	0.018	0.005	0.069	0.001	0.26	0.06	0.27	0.07	15
20	0.024	0.005	0.071	0.002	0.34	0.06	0.36	0.08	20
25	0.031	0.005	0.074	0.002	0.42	0.06	0.47	0.08	25
30	0.038	0.006	0.077	0.003	0.50	0.06	0.58	0.09	30
35	0.047	0.007	0.081	0.004	0.57	0.05	0.70	0.10	35
40	0.056	0.008	0.087	0.005	0.64	0.05	0.84	0.11	40
40°	0.056	0.008	0.087	0.005	0.64	0.05	0.84	0.11	40°
42	0.060	0.008	0.090	0.005	0.67	0.05	0.90	0.12	42
44	0.064	0.009	0.093	0.006	0.69	0.05	0.97	0.13	44
46	0.069	0.009	0.096	0.007	0.72	0.05	1.04	0.14	46
48	0.074	0.010	0.100	0.007	0.74	0.04	1.11	0.15	48
50	0.079	0.011	0.104	0.008	0.77	0.04	1.19	0.16	50
52	0.085	0.012	0.108	0.009	0.79	0.04	1.28	0.18	52
54	0.092	0.013	0.113	0.010	0.81	0.04	1.38	0.19	54
56	0.099	0.014	0.119	0.012	0.83	0.04	1.48	0.21	56
58	0.107	0.016	0.126	0.013	0.85	0.04	1.60	0.24	58
60	0.115	0.018	0.133	0.015	0.87	0.03	1.73	0.27	60
60°	0.115	0.018	0.133	0.015	0.87	0.03	1.73	0.27	60°
61	0.120	0.019	0.138	0.017	0.87	0.03	1.80	0.28	61
62	0.125	0.020	0.142	0.018	0.88	0.03	1.88	0.30	62
63	0.131	0.022	0.147	0.019	0.89	0.03	1.96	0.32	63
64	0.137	0.023	0.152	0.021	0.90	0.03	2.05	0.35	64
65	0.143	0.025	0.158	0.023	0.91	0.03	2.14	0.37	65
66	0.150	0.027	0.164	0.025	0.91	0.03	2.25	0.40	66
67	0.157	0.029	0.171	0.027	0.92	0.03	2.36	0.44	67
68	0.165	0.032	0.178	0.029	0.93	0.02	2.48	0.48	68
69	0.174	0.035	0.186	0.032	0.93	0.02	2.61	0.52	69
70	0.183	0.038	0.195	0.036	0.94	0.02	2.75	0.57	70
71	0.194	0.042	0.205	0.040	0.95	0.02	2.90	0.63	71
72	0.205	0.047	0.216	0.044	0.95	0.02	3.08	0.70	72
73	0.218	0.052	0.228	0.050	0.96	0.02	3.27	0.78	73
74	0.232	0.058	0.242	0.056	0.96	0.02	3.49	0.88	74
75	0.249	0.066	0.258	0.064	0.97	0.02	3.73	1.00	75
75°.0	0.249	0.066	0.258	0.064	0.97	0.02	3.73	1.00	75°.0
75.5	0.258	0.071	0.266	0.069	0.97	0.02	3.87	1.06	75.5
76.0	0.267	0.076	0.276	0.074	0.97	0.02	4.01	1.14	76.0
76.5	0.278	0.082	0.286	0.079	0.97	0.02	4.17	1.22	76.5
77.0	0.289	0.088	0.296	0.086	0.97	0.01	4.33	1.32	77.0
77.5	0.301	0.095	0.308	0.093	0.98	0.01	4.51	1.42	77.5
78.0	0.314	0.103	0.321	0.101	0.98	0.01	4.70	1.54	78.0
78.5	0.328	0.112	0.334	0.110	0.98	0.01	4.92	1.68	78.5
79.0	0.343	0.122	0.349	0.120	0.98	0.01	5.14	1.83	79.0
79.5	0.360	0.134	0.366	0.132	0.98	0.01	5.40	2.01	79.5
80.0	0.378	0.147	0.384	0.145	0.98	0.01	5.67	2.21	80.0

Sinus

	0^h	1^h	2^h	3^h	4^h	5^h	
0^m	0.000	0.259	0.500	0.707	0.866	0.966	60
1	0.004	0.263	0.504	0.710	0.868	0.967	59
2	0.009	0.267	0.508	0.713	0.870	0.968	58
3	0.013	0.271	0.511	0.716	0.872	0.969	57
4	0.017	0.276	0.515	0.719	0.875	0.970	56
5	0.022	0.280	0.519	0.722	0.877	0.971	55
6	0.026	0.284	0.522	0.725	0.879	0.972	54
7	0.031	0.288	0.526	0.728	0.881	0.973	53
8	0.035	0.292	0.530	0.731	0.883	0.974	52
9	0.039	0.297	0.534	0.734	0.885	0.975	51
10	0.044	0.301	0.537	0.737	0.887	0.976	50
11	0.048	0.305	0.541	0.740	0.889	0.977	49
12	0.052	0.309	0.545	0.743	0.891	0.978	48
13	0.057	0.313	0.548	0.746	0.893	0.979	47
14	0.061	0.317	0.552	0.749	0.895	0.980	46
15	0.065	0.321	0.556	0.752	0.897	0.981	45
16	0.070	0.326	0.559	0.755	0.899	0.982	44
17	0.074	0.330	0.563	0.758	0.901	0.982	43
18	0.078	0.334	0.566	0.760	0.903	0.983	42
19	0.083	0.338	0.570	0.763	0.904	0.984	41
20	0.087	0.342	0.574	0.766	0.906	0.985	40
21	0.092	0.346	0.577	0.769	0.908	0.986	39
22	0.096	0.350	0.581	0.772	0.910	0.986	38
23	0.100	0.354	0.584	0.774	0.912	0.987	37
24	0.105	0.358	0.588	0.777	0.914	0.988	36
25	0.109	0.362	0.591	0.780	0.915	0.988	35
26	0.113	0.367	0.595	0.783	0.917	0.989	34
27	0.118	0.371	0.598	0.785	0.919	0.990	33
28	0.122	0.375	0.602	0.788	0.921	0.990	32
29	0.126	0.379	0.605	0.791	0.922	0.991	31
30	0.131	0.383	0.609	0.793	0.924	0.991	30
31	0.135	0.387	0.612	0.796	0.926	0.992	29
32	0.139	0.391	0.616	0.799	0.927	0.993	28
33	0.143	0.395	0.619	0.801	0.929	0.993	27
34	0.148	0.399	0.623	0.804	0.930	0.994	26
35	0.152	0.403	0.626	0.806	0.932	0.994	25
36	0.156	0.407	0.629	0.809	0.934	0.995	24
37	0.161	0.411	0.633	0.812	0.935	0.995	23
38	0.165	0.415	0.636	0.814	0.937	0.995	22
39	0.169	0.419	0.639	0.817	0.938	0.996	21
40	0.174	0.423	0.643	0.819	0.940	0.996	20
41	0.178	0.427	0.646	0.822	0.941	0.997	19
42	0.182	0.431	0.649	0.824	0.943	0.997	18
43	0.187	0.434	0.653	0.827	0.944	0.997	17
44	0.191	0.438	0.656	0.829	0.946	0.998	16
45	0.195	0.442	0.659	0.831	0.947	0.998	15
46	0.199	0.446	0.663	0.834	0.948	0.998	14
47	0.204	0.450	0.666	0.836	0.950	0.998	13
48	0.208	0.454	0.669	0.839	0.951	0.999	12
49	0.212	0.458	0.672	0.841	0.952	0.999	11
50	0.216	0.462	0.676	0.843	0.954	0.999	10
51	0.221	0.466	0.679	0.846	0.955	0.999	9
52	0.225	0.469	0.682	0.848	0.956	0.999	8
53	0.229	0.473	0.685	0.850	0.958	1.000	7
54	0.233	0.477	0.688	0.853	0.959	1.000	6
55	0.238	0.481	0.692	0.855	0.960	1.000	5
56	0.242	0.485	0.695	0.857	0.961	1.000	4
57	0.246	0.489	0.698	0.859	0.962	1.000	3
58	0.250	0.492	0.701	0.862	0.964	1.000	2
59	0.255	0.496	0.704	0.864	0.965	1.000	1
60	0.259	0.500	0.707	0.866	0.966	1.000	0^m
	5^h	4^h	3^h	2^h	1^h	0^h	

Cosinus

Reduktionsgrößen 1934

Übertragung von Rektaszensions- und Deklinationsdifferenzen
vom mittleren Äquinoktium 1934.0 auf das Normaläquinoktium 1925.0

α	a_1	a_2	d_1	α	α	a_1	a_2	d_1	α
h m	s	s	"	h m	h m	s	s	"	h m
0 0	−0.0525−	−0.0000+	+0.000−	24 0	6 0	+0.0000+	−0.0525+	+0.787−	18 0
10	0524	0023	034	50	10	0023	0524	786	50
20	0523	0046	069	40	20	0046	0523	784	40
30	0520	0068	103	30	30	0068	0520	781	30
40	0517	0091	137	20	40	0091	0517	775	20
50	0512	0113	170	10	50	0113	0512	769	10
1 0	−0.0507−	−0.0136+	+0.204−	23 0	7 0	+0.0136+	−0.0507+	+0.761−	17 0
10	0500	0158	237	50	10	0158	0500	751	50
20	0493	0179	269	40	20	0179	0493	740	40
30	0485	0201	301	30	30	0201	0485	727	30
40	0476	0222	333	20	40	0222	0476	713	20
50	0466	0242	364	10	50	0242	0466	698	10
2 0	−0.0455−	−0.0262+	+0.394−	22 0	8 0	+0.0262+	−0.0455+	+0.682−	16 0
10	0443	0282	423	50	10	0282	0443	664	50
20	0430	0301	452	40	20	0301	0430	645	40
30	0416	0320	479	30	30	0320	0416	625	30
40	0402	0338	506	20	40	0338	0402	603	20
50	0387	0355	532	10	50	0355	0387	580	10
3 0	−0.0371−	−0.0371+	+0.556−	21 0	9 0	+0.0371+	−0.0371+	+0.556−	15 0
10	0355	0387	580	50	10	0387	0355	532	50
20	0338	0402	603	40	20	0402	0338	506	40
30	0320	0416	625	30	30	0416	0320	479	30
40	0301	0430	645	20	40	0430	0301	452	20
50	0282	0443	664	10	50	0443	0282	423	10
4 0	−0.0262−	−0.0455+	+0.682−	20 0	10 0	+0.0455+	−0.0262+	+0.394−	14 0
10	0242	0466	698	50	10	0466	0242	364	50
20	0222	0476	713	40	20	0476	0222	333	40
30	0201	0485	727	30	30	0485	0201	301	30
40	0179	0493	740	20	40	0493	0179	269	20
50	0158	0500	751	10	50	0500	0158	237	10
5 0	−0.0136−	−0.0507+	+0.761−	19 0	11 0	+0.0507+	−0.0136+	+0.204−	13 0
10	0113	0512	769	50	10	0512	0113	170	50
20	0091	0517	775	40	20	0517	0091	137	40
30	0068	0520	781	30	30	0520	0068	103	30
40	0046	0523	784	20	40	0523	0046	069	20
50	0023	0524	786	10	50	0524	0023	034	10
6 0	−0.0000−	−0.0525+	+0.787−	18 0	12 0	+0.0525+	−0.0000+	+0.000−	12 0

Für α zwischen 12^h und 24^h gelten die Vorzeichen zur Rechten.

$\Delta p^s_\alpha = a_1 \cdot \mathrm{tg}\,\delta \cdot \Delta\alpha^m + a_2 \cdot \frac{1}{15} \sec^2\delta \cdot \Delta\delta'$; $\quad \Delta p''_\delta = d_1 \cdot \Delta\alpha^m$

$\Delta\alpha^m$ bedeutet die Rektaszensionsdifferenz in Zeitminuten, $\Delta\delta'$ ist die Deklinationsdifferenz in Bogenminuten.

Die Werte von $\mathrm{tg}\,\delta$ und $\frac{1}{15}\sec^2\delta$ sind auf S. 268* enthalten.

Reduktionsgrößen 1934

Reduktion vom mittleren Äquinoktium 1925.0 auf das jedesmalige wahre Äquinoktium

0h Welt-Zeit		f	log g	G	0h Welt-Zeit		f	log g	G
1934		s		h m s	1934		s		h m s
Jan.	−1	+28.301	2.26650	23 51 44	Mai	15	+29.456	2.28382	23 52 29
	+3	28.348	2.26723	23 51 44		19	29.495	2.28439	23 52 36
	7	28.395	2.26795	23 51 44		23	29.536	2.28499	23 52 43
	11	28.442	2.26865	23 51 43		27	29.578	2.28559	23 52 49
	15	28.487	2.26934	23 51 41		31	29.621	2.28621	23 52 55
	19	+28.531	2.27002	23 51 39	Juni	4	+29.665	2.28685	23 53 1
	23	28.574	2.27068	23 51 36		8	29.709	2.28750	23 53 6
	27	28.615	2.27131	23 51 33		12	29.754	2.28816	23 53 10
	31	28.654	2.27191	23 51 30		16	29.800	2.28883	23 53 14
Febr.	4	28.693	2.27249	23 51 26		20	29.846	2.28949	23 53 17
	8	+28.729	2.27305	23 51 22		24	+29.892	2.29015	23 53 19
	12	28.764	2.27358	23 51 19		28	29.937	2.29081	23 53 21
	16	28.798	2.27409	23 51 16	Juli	2	29.983	2.29147	23 53 22
	20	28.830	2.27457	23 51 13		6	30.028	2.29212	23 53 23
	24	28.860	2.27504	23 51 10		10	30.072	2.29276	23 53 23
	28	+28.890	2.27549	23 51 8		14	+30.116	2.29339	23 53 22
März	4	28.918	2.27591	23 51 7		18	30.159	2.29401	23 53 21
	8	28.946	2.27633	23 51 6		22	30.200	2.29461	23 53 19
	12	28.972	2.27673	23 51 6		26	30.241	2.29520	23 53 17
	16	28.999	2.27712	23 51 7		30	30.281	2.29577	23 53 15
	20	+29.025	2.27751	23 51 8	Aug.	3	+30.319	2.29633	23 53 12
	24	29.051	2.27789	23 51 10		7	30.356	2.29686	23 53 9
	28	29.077	2.27828	23 51 13		11	30.392	2.29737	23 53 7
April	1	29.103	2.27866	23 51 17		15	30.426	2.29786	23 53 4
	5	29.130	2.27905	23 51 21		19	30.459	2.29833	23 53 1
	9	+29.157	2.27946	23 51 26		23	+30.490	2.29878	23 52 59
	13	29.186	2.27987	23 51 32		27	30.521	2.29922	23 52 57
	17	29.215	2.28031	23 51 38		31	30.550	2.29964	23 52 55
	21	29.246	2.28076	23 51 45	Sept.	4	30.578	2.30004	23 52 54
	25	29.277	2.28122	23 51 52		8	30.606	2.30043	23 52 53
	29	+29.310	2.28170	23 51 59		12	+30.632	2.30080	23 52 53
Mai	3	29.344	2.28220	23 52 6		16	30.658	2.30117	23 52 53
	7	29.380	2.28272	23 52 14		20	30.684	2.30153	23 52 54
	11	29.417	2.28326	23 52 22		24	30.710	2.30190	23 52 56
	15	+29.456	2.28382	23 52 29		28	+30.735	2.30226	23 52 59

Reduktionsgrößen 1934

Reduktion vom mittleren Äquinoktium 1925.0 auf das jedesmalige wahre Äquinoktium

0h Welt-Zeit		f	log g	G	0h Welt-Zeit		f	log g	G
1934		s		h m s	1934		s		h m s
Sept.	28	+30.735	2.30226	23 52 59	Nov.	15	+31.104	2.30737	23 54 10
Okt.	2	30.761	2.30261	23 53 2		19	31.143	2.30791	23 54 18
	6	30.787	2.30297	23 53 6		23	31.184	2.30847	23 54 25
	10	30.813	2.30334	23 53 10		27	31.227	2.30906	23 54 32
	14	30.841	2.30372	23 53 15	Dez.	1	31.271	2.30966	23 54 38
	18	+30.869	2.30411	23 53 21		5	+31.315	2.31028	23 54 44
	22	30.898	2.30452	23 53 28		9	31.361	2.31092	23 54 50
	26	30.929	2.30495	23 53 34		13	31.408	2.31155	23 54 54
	30	30.961	2.30539	23 53 41		17	31.455	2.31220	23 54 58
Nov.	3	30.994	2.30586	23 53 49		21	31.502	2.31285	23 55 1
	7	+31.029	2.30634	23 53 56		25	+31.549	2.31350	23 55 3
	11	31.066	2.30684	23 54 3		29	31.597	2.31415	23 55 5
	15	+31.104	2.30737	23 54 10		33	+31.644	2.31480	23 55 6

Die mit den vorstehend gegebenen Größen f, log g und G berechnete Reduktion vom mittleren Äquinoktium 1925.0 auf das wahre Äquinoktium der Epoche bedarf noch einer Verbesserung, die von dem Einfluß der Variatio saecularis herrührt und auf S. 273* enthalten ist. Es wird somit:

$$\text{Red. in } \alpha = f + {}^1/_{15}\, g \sin(G+\alpha) \operatorname{tg} \delta + \text{Korr. nach S. 273*}$$
$$\text{Red. in } \delta = g \cos(G+\alpha) + \text{Korr. nach S. 273*}$$

Korrektion der Reduktion vom mittleren Äquinoktium 1925.0 auf das jedesmalige wahre Äquinoktium (s. S. 271*—272*), berechnet für 1934.0, mit Hinzufügung ihrer einjährigen Änderung.

Für Rektaszension (in 0ˢ.001)

α	δ +60°		+50°		+30°		+10°		−10°		−30°		−50°		−60°	
0ʰ	+22	+5	+15	+3	+ 8	+2	+ 3	+1	− 1	0	− 6	−1	−14	−3	−20	−4
1	+30	+7	+20	+4	+10	+2	+ 4	+1	0	0	− 4	−1	− 8	−2	−10	−2
2	+35	+8	+22	+5	+11	+2	+ 5	+1	+ 1	0	− 1	0	− 3	−1	− 1	0
3	+34	+7	+21	+5	+10	+2	+ 5	+1	+ 2	0	0	0	+ 1	0	+ 5	+1
4	+27	+6	+16	+4	+ 8	+2	+ 4	+1	+ 2	0	+ 1	0	+ 3	+1	+ 7	+1
5	+15	+3	+ 9	+2	+ 5	+1	+ 3	+1	+ 2	0	+ 1	0	+ 2	+1	+ 5	+1
6	0	0	0	0	+ 1	0	+ 1	0	+ 1	0	+ 1	0	+ 1	0	+ 1	0
7	−14	−3	− 8	−2	− 3	−1	− 1	0	0	0	0	0	0	0	− 3	−1
8	−26	−6	−15	−3	− 7	−1	− 3	−1	− 1	0	+ 1	0	− 1	0	− 4	−1
9	−33	−7	−20	−4	− 9	−2	− 4	−1	− 1	0	+ 1	0	+ 1	0	− 3	−1
10	−34	−7	−21	−5	− 9	−2	− 4	−1	0	0	+ 3	+1	+ 5	+1	+ 3	+1
11	−29	−6	−18	−4	− 8	−2	− 3	−1	+ 1	0	+ 5	+1	+10	+2	+12	+3
12	−20	−4	−14	−3	− 6	−1	− 1	0	+ 3	+1	+ 8	+2	+15	+3	+22	+5
13	−10	−2	− 8	−2	− 4	−1	0	0	+ 4	+1	+10	+2	+20	+4	+30	+7
14	− 1	0	− 3	−1	− 1	0	+ 1	0	+ 5	+1	+11	+2	+22	+5	+35	+8
15	+ 5	+1	+ 1	0	0	0	+ 2	0	+ 5	+1	+10	+2	+21	+5	+34	+7
16	+ 7	+1	+ 3	+1	+ 1	0	+ 2	0	+ 4	+1	+ 8	+2	+16	+4	+27	+6
17	+ 5	+1	+ 2	+1	+ 1	0	+ 2	0	+ 3	+1	+ 5	+1	+ 9	+2	+15	+3
18	+ 1	0	+ 1	0	+ 1	0	+ 1	0	+ 1	0	+ 1	0	0	0	0	0
19	− 3	−1	0	0	0	0	0	0	− 1	0	− 3	−1	− 8	−2	−14	−3
20	− 4	−1	− 1	0	+ 1	0	− 1	0	− 3	−1	− 7	−1	−15	−3	−26	−6
21	− 3	−1	+ 1	0	+ 1	0	− 1	0	− 4	−1	− 9	−2	−20	−4	−33	−7
22	+ 3	+1	+ 5	+1	+ 3	+1	0	0	− 4	−1	− 9	−2	−21	−5	−34	−7
23	+12	+3	+10	+2	+ 5	+1	+ 1	0	− 3	−1	− 8	−2	−18	−4	−29	−6
24	+22	+5	+15	+3	+ 8	+2	+ 3	+1	− 1	0	− 6	−1	−14	−3	−20	−4

Für Deklination (in 0″.01)

α	δ +60°		+50°		+30°		+10°		−10°		−30°		−50°		−60°	
0ʰ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	− 6	−1	− 6	−1	− 5	−1	− 5	−1	− 5	−1	− 5	−1	− 4	−1	− 4	−1
2	−13	−3	−12	−3	−10	−2	−10	−2	− 9	−2	− 8	−2	− 7	−2	− 6	−1
3	−20	−4	−18	−4	−15	−3	−14	−3	−12	−3	−11	−2	− 8	−2	− 6	−1
4	−26	−6	−23	−5	−19	−4	−17	−4	−15	−3	−12	−3	− 9	−2	− 6	−1
5	−30	−7	−26	−6	−22	−5	−19	−4	−16	−4	−13	−3	− 9	−2	− 5	−1
6	−32	−7	−28	−6	−23	−5	−20	−4	−17	−4	−14	−3	− 9	−2	− 4	−1
7	−30	−7	−26	−6	−22	−5	−19	−4	−16	−4	−13	−3	− 9	−2	− 5	−1
8	−26	−6	−23	−5	−19	−4	−17	−4	−14	−3	−12	−3	− 9	−2	− 5	−1
9	−19	−4	−17	−4	−15	−3	−13	−3	−12	−3	−10	−2	− 8	−2	− 6	−1
10	−12	−3	−11	−2	−10	−2	− 9	−2	− 8	−2	− 8	−2	− 6	−1	− 5	−1
11	− 5	−1	− 5	−1	− 5	−1	− 4	−1	− 4	−1	− 4	−1	− 4	−1	− 3	−1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	+ 4	+1	+ 4	+1	+ 5	+1	+ 5	+1	+ 5	+1	+ 5	+1	+ 6	+1	+ 6	+1
14	+ 6	+1	+ 7	+2	+ 8	+2	+ 9	+2	+10	+2	+10	+2	+12	+3	+13	+3
15	+ 6	+1	+ 8	+2	+11	+2	+12	+3	+14	+3	+15	+3	+18	+4	+20	+4
16	+ 6	+1	+ 9	+2	+12	+3	+15	+3	+17	+4	+19	+4	+23	+5	+26	+6
17	+ 5	+1	+ 9	+2	+13	+3	+16	+4	+19	+4	+22	+5	+26	+6	+30	+7
18	+ 4	+1	+ 9	+2	+14	+3	+17	+4	+20	+4	+23	+5	+28	+6	+32	+7
19	+ 5	+1	+ 9	+2	+13	+3	+16	+4	+19	+4	+22	+5	+26	+6	+30	+7
20	+ 5	+1	+ 9	+2	+12	+3	+14	+3	+17	+4	+19	+4	+23	+5	+26	+6
21	+ 6	+1	+ 8	+2	+10	+2	+12	+3	+13	+3	+15	+3	+17	+4	+19	+4
22	+ 5	+1	+ 6	+1	+ 8	+2	+ 8	+2	+ 9	+2	+10	+2	+11	+2	+12	+3
23	+ 3	+1	+ 4	+1	+ 4	+1	+ 4	+1	+ 4	+1	+ 5	+1	+ 5	+1	+ 5	+1
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

α	0^h, 12^h		1^h, 13^h		2^h, 14^h		3^h, 15^h		4^h, 16^h		5^h, 17^h		α
	$-A_1+$	$-D+$	$-A_1+$	$-D+$	$-A_1+$	$-D+$	$-A_1+$	$-D+$	$-A_1+$	$-D+$	$-A_1+$	$-D+$	
m	s	"	s	"	s	"	s	"	s	"	s	"	m
0		180.40	3.101	174.30	6.003	156.32	8.495	127.69	10.409	90.36	11.614	46.86	0
1	0.040	180.40	152	174.10	048	155.93	532	127.13	435	89.68	627	46.10	1
2	093	180.40	202	173.89	093	155.53	569	126.57	461	88.99	640	45.34	2
3	145	180.39	253	173.68	139	155.13	606	126.01	487	88.31	653	44.57	3
4	198	180.38	303	173.46	184	154.73	643	125.45	513	87.62	666	43.81	4
5	250	180.36	354	173.24	229	154.32	679	124.88	538	86.93	679	43.05	5
6	302	180.34	404	173.02	274	153.91	715	124.31	563	86.24	691	42.28	6
7	355	180.32	454	172.80	318	153.50	751	123.74	588	85.55	703	41.52	7
8	407	180.29	505	172.57	363	153.08	787	123.16	613	84.85	715	40.75	8
9	460	180.26	555	172.34	407	152.66	823	122.59	638	84.16	727	39.99	9
10	0.512	180.23	3.605	172.10	6.452	152.24	8.859	122.01	10.662	83.46	11.739	39.22	10
11	564	180.20	655	171.86	496	151.82	894	121.43	686	82.76	750	38.45	11
12	617	180.16	705	171.62	540	151.39	929	120.84	710	82.06	761	37.68	12
13	669	180.12	754	171.38	583	150.96	964	120.26	734	81.36	772	36.91	13
14	722	180.07	804	171.13	627	150.53	8.999	119.67	758	80.66	783	36.14	14
15	774	180.02	854	170.88	671	150.10	9.034	119.08	781	79.95	793	35.37	15
16	826	179.97	904	170.63	714	149.66	069	118.49	804	79.24	803	34.60	16
17	879	179.92	3.953	170.37	758	149.22	103	117.89	827	78.54	813	33.82	17
18	931	179.86	4.003	170.11	801	148.77	137	117.30	850	77.83	823	33.05	18
19	0.984	179.80	052	169.85	845	148.33	171	116.70	873	77.11	833	32.27	19
20	1.036	179.73	4.102	169.58	6.888	147.88	9.205	116.10	10.895	76.40	11.842	31.50	20
21	088	179.66	151	169.31	931	147.43	239	115.50	917	75.69	851	30.72	21
22	140	179.59	200	169.04	6.974	146.97	272	114.89	939	74.97	860	29.95	22
23	193	179.51	250	168.76	7.016	146.51	306	114.28	960	74.26	868	29.17	23
24	245	179.43	299	168.48	059	146.05	339	113.67	10.982	73.54	877	28.40	24
25	297	179.35	348	168.20	102	145.59	372	113.06	11.003	72.82	885	27.62	25
26	349	179.26	397	167.91	144	145.12	405	112.44	024	72.10	893	26.84	26
27	401	179.17	445	167.62	186	144.65	437	111.83	045	71.38	900	26.06	27
28	454	179.08	494	167.33	228	144.18	470	111.21	065	70.65	908	25.29	28
29	506	178.98	542	167.03	270	143.71	502	110.58	086	69.93	915	24.51	29
30	1.558	178.88	4.591	166.73	7.312	143.23	9.534	109.96	11.106	69.20	11.922	23.73	30
31	610	178.78	639	166.43	353	142.75	566	109.34	126	68.47	929	22.95	31
32	662	178.67	688	166.13	394	142.26	598	108.71	146	67.75	935	22.17	32
33	714	178.56	736	165.82	436	141.78	629	108.08	165	67.02	942	21.38	33
34	766	178.45	785	165.51	477	141.29	661	107.45	185	66.28	948	20.60	34
35	818	178.33	833	165.19	518	140.80	692	106.82	204	65.55	954	19.82	35
36	870	178.21	881	164.87	559	140.31	723	106.18	223	64.82	960	19.04	36
37	921	178.09	929	164.55	599	139.81	754	105.55	242	64.08	965	18.25	37
38	1.973	177.96	4.976	164.23	640	139.31	784	104.91	260	63.35	970	17.47	38
39	2.024	177.83	5.024	163.90	680	138.81	815	104.26	279	62.61	975	16.68	39
40	2.076	177.69	5.072	163.57	7.721	138.31	9.845	103.62	11.297	61.87	11.980	15.90	40
41	128	177.55	119	163.24	761	137.80	875	102.97	315	61.13	984	15.12	41
42	179	177.41	166	162.90	801	137.29	905	102.33	332	60.39	988	14.33	42
43	231	177.27	214	162.56	840	136.78	934	101.68	350	59.65	992	13.55	43
44	282	177.12	261	162.22	880	136.27	964	101.02	367	58.91	11.996	12.76	44
45	334	176.97	308	161.87	920	135.75	9.993	100.37	384	58.16	12.000	11.98	45
46	385	176.82	355	161.52	959	135.23	10.022	99.72	401	57.42	003	11.19	46
47	437	176.66	402	161.17	7.998	134.71	051	99.06	417	56.67	006	10.41	47
48	488	176.50	448	160.82	8.038	134.18	080	98.40	434	55.92	009	9.62	48
49	540	176.33	495	160.46	077	133.66	109	97.74	450	55.17	012	8.84	49
50	2.591	176.16	5.542	160.10	8.116	133.13	10.137	97.08	11.466	54.42	12.014	8.05	50
51	642	175.99	588	159.74	154	132.60	165	96.42	482	53.67	016	7.26	51
52	693	175.82	635	159.37	193	132.06	193	95.75	497	52.91	018	6.48	52
53	745	175.64	681	159.00	231	131.52	220	95.08	513	52.16	020	5.69	53
54	796	175.46	728	158.63	270	130.98	248	94.41	528	51.40	022	4.91	54
55	847	175.27	774	158.25	308	130.44	275	93.74	543	50.65	023	4.12	55
56	898	175.08	820	157.87	346	129.89	302	93.07	558	49.89	024	3.33	56
57	949	174.89	866	157.49	383	129.35	329	92.39	572	49.13	025	2.54	57
58	2.999	174.70	911	157.10	421	128.80	356	91.72	586	48.38	025	1.76	58
59	3.050	174.50	5.957	156.71	458	128.24	383	91.04	600	47.62	026	0.97	59
60	3.101	174.30	6.003	156.32	8.495	127.69	10.409	90.36	11.614	46.86	12.026	0.18	60

α	6h, 18h		7h, 19h		8h, 20h		9h, 21h		10h, 22h		11h, 23h		α
m	$-A_1+$	$+D-$	$-A_1+$	$+D-$	$-A_1+$	$+D-$	$-A_1+$	$+D-$	$-A_1+$	$+D-$	$-A_1+$	$+D-$	m
	s	"	s	"	s	"	s	"	s	"	s	"	
0	12.026		11.620	46.52	10.421	90.04	8.512	127.43	6.024	156.14	3.124	174.20	0
1	026	0.61	606	47.28	395	90.72	475	127.99	5.978	156.53	073	174.40	1
2	026	1.39	592	48.04	368	91.40	438	128.54	932	156.92	3.022	174.60	2
3	025	2.18	578	48.79	342	92.08	400	129.09	887	157.30	2.972	174.80	3
4	025	2.96	564	49.55	315	92.76	363	129.64	841	157.69	921	174.99	4
5	024	3.75	550	50.31	288	93.43	325	130.19	795	158.07	870	175.18	5
6	023	4.54	535	51.06	261	94.10	287	130.73	749	158.45	819	175.37	6
7	021	5.33	520	51.81	233	94.77	249	131.27	703	158.82	768	175.55	7
8	020	6.11	505	52.57	206	95.44	211	131.81	656	159.19	717	175.73	8
9	018	6.90	490	53.32	178	96.11	173	132.35	610	159.56	666	175.91	9
10	12.016	7.69	11.474	54.07	10.150	96.77	8.134	132.88	5.564	159.93	2.615	176.08	10
11	014	8.48	458	54.82	122	97.43	095	133.41	517	160.29	564	176.25	11
12	011	9.26	442	55.57	093	98.10	056	133.94	470	160.65	512	176.42	12
13	008	10.05	425	56.31	064	98.76	8.017	134.46	424	161.00	461	176.58	13
14	005	10.83	409	57.06	035	99.41	7.978	134.99	377	161.36	409	176.74	14
15	12.002	11.62	392	57.81	10.006	100.07	939	135.51	330	161.71	358	176.90	15
16	11.998	12.40	375	58.55	9.977	100.72	900	136.03	283	162.06	306	177.05	16
17	994	13.19	358	59.30	947	101.38	860	136.54	236	162.40	255	177.20	17
18	990	13.97	340	60.04	918	102.03	820	137.06	188	162.74	203	177.35	18
19	986	14.76	323	60.79	888	102.67	780	137.57	141	163.08	152	177.49	19
20	11.982	15.54	11.305	61.53	9.858	103.32	7.740	138.08	5.094	163.42	2.100	177.63	20
21	977	16.32	287	62.27	828	103.96	700	138.58	5.046	163.75	2.048	177.77	21
22	972	17.11	269	63.01	798	104.61	659	139.09	4.998	164.08	1.996	177.90	22
23	967	17.89	250	63.75	767	105.25	619	139.59	951	164.41	945	178.03	23
24	962	18.68	232	64.49	737	105.88	578	140.08	903	164.73	893	178.15	24
25	956	19.46	213	65.22	706	106.52	537	140.58	855	165.05	841	178.27	25
26	950	20.24	194	65.95	675	107.15	496	141.07	807	165.37	789	178.39	26
27	944	21.02	175	66.69	644	107.79	455	141.56	758	165.68	737	178.51	27
28	938	21.81	155	67.42	612	108.42	414	142.04	710	165.99	686	178.62	28
29	932	22.59	136	68.14	581	109.04	373	142.53	661	166.30	634	178.73	29
30	11.925	23.37	11.116	68.87	9.549	109.67	7.331	143.01	4.613	166.60	1.582	178.83	30
31	918	24.15	096	69.60	517	110.29	289	143.49	564	166.90	530	178.93	31
32	911	24.93	075	70.32	485	110.92	247	143.96	516	167.20	478	179.03	32
33	903	25.70	055	71.05	452	111.54	205	144.43	467	167.49	425	179.12	33
34	896	26.48	034	71.77	420	112.15	163	144.90	419	167.78	373	179.21	34
35	888	27.26	11.013	72.49	387	112.77	121	145.37	370	168.07	321	179.30	35
36	880	28.04	10.992	73.21	354	113.38	079	145.83	321	168.36	269	179.39	36
37	872	28.82	970	73.93	321	114.00	7.036	146.29	272	168.64	217	179.47	37
38	863	29.59	949	74.64	288	114.61	6.994	146.75	223	168.92	164	179.55	38
39	855	30.37	927	75.36	255	115.21	951	147.21	174	169.19	112	179.62	39
40	11.846	31.15	10.905	76.07	9.221	115.82	6.908	147.67	4.125	169.46	1.060	179.69	40
41	837	31.92	883	76.78	187	116.42	865	148.12	075	169.73	1.008	179.76	41
42	827	32.70	860	77.50	153	117.02	822	148.57	4.026	170.00	0.956	179.83	42
43	818	33.47	837	78.21	119	117.62	779	149.01	3.976	170.26	903	179.89	43
44	808	34.25	814	78.91	085	118.22	736	149.46	927	170.52	851	179.95	44
45	798	35.02	791	79.62	050	118.81	692	149.90	877	170.77	799	180.00	45
46	788	35.79	768	80.33	9.015	119.40	648	150.33	827	171.02	747	180.05	46
47	777	36.56	744	81.03	8.980	119.99	604	150.76	777	171.27	694	180.10	47
48	766	37.33	721	81.74	945	120.57	560	151.19	728	171.51	642	180.14	48
49	755	38.10	697	82.44	910	121.16	516	151.62	678	171.75	589	180.18	49
50	11.744	38.87	10.673	83.14	8.875	121.74	6.472	152.05	3.628	171.99	0.537	180.22	50
51	733	39.64	649	83.84	840	122.32	427	152.47	578	172.23	484	180.25	51
52	721	40.40	624	84.53	804	122.90	383	152.89	528	172.46	432	180.28	52
53	709	41.17	600	85.23	768	123.47	338	153.30	477	172.69	379	180.31	53
54	697	41.93	575	85.92	732	124.05	294	153.72	427	172.92	327	180.33	54
55	685	42.70	550	86.61	696	124.62	249	154.13	377	173.14	274	180.35	55
56	672	43.46	525	87.30	660	125.19	204	154.54	326	173.36	222	180.37	56
57	659	44.23	499	87.99	623	125.75	159	154.94	276	173.58	169	180.38	57
58	646	44.99	473	88.67	586	126.31	114	155.34	225	173.79	117	180.39	58
59	633	45.76	447	89.36	549	126.87	069	155.74	175	174.00	064	180.40	59
60	11.620	46.52	10.421	90.04	8.512	127.43	6.024	156.14	3.124	174.20	0.012	180.40	60

Übertragung von Sternörtern vom mittleren Äquinoktium 1934.0 auf das Normaläquinoktium 1925.0

α	A	A_2	D_1	α	α	A	A_2	D_1	α
h m	s	s	"	h m	h m	s	s	"	h m
0 0	−27.656	+0.0000	−0.000	12 0	6 0	−27.656	−0.0000	−0.079	18 0
10	656	05	00	10	10	656	05	79	10
20	656	09	01	20	20	656	09	78	20
30	655	14	01	30	30	657	14	77	30
40	655	18	02	40	40	657	18	77	40
50	655	22	04	50	50	657	22	75	50
1 0	−27.655	+0.0026	−0.005	13 0	7 0	−27.657	−0.0026	−0.074	19 0
10	654	30	07	10	10	658	30	72	10
20	654	34	09	20	20	658	34	70	20
30	654	37	12	30	30	658	37	67	30
40	654	40	14	40	40	658	40	65	40
50	654	43	17	50	50	658	43	62	50
2 0	−27.654	+0.0046	−0.020	14 0	8 0	−27.658	−0.0046	−0.059	20 0
10	654	48	23	10	10	658	48	56	10
20	654	49	26	20	20	658	49	53	20
30	653	51	29	30	30	659	51	50	30
40	653	52	33	40	40	659	52	46	40
50	653	52	36	50	50	659	52	43	50
3 0	−27.653	+0.0053	−0.039	15 0	9 0	−27.659	−0.0053	−0.039	21 0
10	653	52	43	10	10	659	52	36	10
20	653	52	46	20	20	659	52	33	20
30	653	51	50	30	30	659	51	29	30
40	654	49	53	40	40	658	49	26	40
50	654	48	56	50	50	658	48	23	50
4 0	−27.654	+0.0046	−0.059	16 0	10 0	−27.658	−0.0046	−0.020	22 0
10	654	43	62	10	10	658	43	17	10
20	654	40	65	20	20	658	40	14	20
30	654	37	67	30	30	658	37	12	30
40	654	34	70	40	40	658	34	09	40
50	654	30	72	50	50	658	30	07	50
5 0	−27.655	+0.0026	−0.074	17 0	11 0	−27.657	−0.0026	−0.005	23 0
10	655	22	75	10	10	657	22	04	10
20	655	18	77	20	20	657	18	02	20
30	655	14	77	30	30	657	14	01	30
40	656	09	78	40	40	656	09	01	40
50	656	05	79	50	50	656	05	00	50
6 0	−27.656	+0.0000	−0.079	18 0	12 0	−27.656	−0.0000	−0.000	24 0

$$\alpha_{1925} = \alpha_{1934} + A + A_1 \operatorname{tg} \delta_{1934} + A_2 \operatorname{tg}^2 \delta_{1934}$$
$$\delta_{1925} = \delta_{1934} + D + D_1 \operatorname{tg} \delta_{1934}$$

A_1 und D sind aus der Tafel (S. 274*/275*) mit dem Argument α_{1934} zu entnehmen; für die Werte von α zwischen 0^h und 12^h gelten die Vorzeichen zur Linken, für die Werte von α zwischen 12^h und 24^h die Vorzeichen zur Rechten.

Finsternisse, Sternbedeckungen, Mösting A, Trabanten

Konstellationen, Hilfstafeln

1934

Im Jahre 1934 finden zwei Sonnenfinsternisse und zwei Mondfinsternisse statt.

I. Partielle Mondfinsternis 1934 Januar 30 sichtbar in Berlin.

Opposition in Rektaszension . . . Januar 30, $15^h\ 59^m\ 29^s.8$ Welt-Zeit

Rektaszension des Mondes	$8^h\ 50^m\ 10^s.41$
Stündliche Änderung	1 58.67
Rektaszension der Sonne	20 50 10.41
Stündliche Änderung	10.26
Deklination des Mondes	$+18^\circ\ 37'\ 25''.9$
Stündliche Änderung	— 10 41.5
Deklination der Sonne	—17 43 23.8
Stündliche Änderung	+ 0 41.0
Äquatorialhorizontalparallaxe des Mondes . .	$54'\ 23''.4$
„ der Sonne . .	8.9
Halbmesser des Mondes	$14'\ 48''.5$
„ der Sonne	16 14.1

Eintritt des Mondes in den Halbschatten .	Jan. 30,	$14^h\ 7^m.5$	Welt-Zeit
Eintritt des Mondes in den Kernschatten .	„	16 1.0	„
Mitte der Finsternis	„	16 42.6	„
Austritt des Mondes aus dem Kernschatten	„	17 24.2	„
Austritt des Mondes aus dem Halbschatten	„	19 16.9	„

Der Mond steht zu den Zeiten der ersten und letzten Berührung mit dem Kernschatten im Zenit der Orte, deren geographische Lage ist:

236° 54′ westliche Länge von Greenwich, 18° 37′ nördliche Breite
257° 3′ „ „ „ „ 18° 22′ „ „

Positionswinkel des Eintritts . . . . = 181°
„ „ Austritts . . . . = 222°
Größe der Finsternis in Einheiten des Monddurchmessers = 0.117

Der Anfang der Finsternis ist sichtbar im nordwestlichen Teil von Nordamerika, im nördlichen Eismeer, im Stillen Ozean mit Ausnahme des südöstlichen Teils, in Australien, Asien, im Indischen Ozean, im nordöstlichen Teil von Afrika, in Europa mit Ausnahme des südwestlichen Teils. Das Ende ist sichtbar im äußersten Nordwesten von Nordamerika, im nördlichen Eismeer, im Stillen Ozean mit Ausnahme des östlichen Teils, in Australien und Asien, im Indischen Ozean, in Europa, in Afrika mit Ausnahme des nordwestlichen Teils.

II. Totale Sonnenfinsternis 1934 Februar 13—14 unsichtbar in Berlin.

Konjunktion in Rektaszension . . .	Februar 14,	1ʰ 2ᵐ 11ˢ.4 Welt-Zeit

Rektaszension des Mondes	21ʰ 47ᵐ 48ˢ.80
Stündliche Änderung	2 17.98
Rektaszension der Sonne	21 47 48.80
Stündliche Änderung	9.79
Deklination des Mondes	—12° 46′ 5″.1
Stündliche Änderung	+ 15 30.7
Deklination der Sonne	—13 18 30.6
Stündliche Änderung	+ 0 50.6
Äquatorialhorizontalparallaxe des Mondes . .	60′ 26″.5
„ der Sonne . .	8.9
Halbmesser des Mondes	16′ 27″.3
„ der Sonne	16 11.6

	Welt-Zeit	Westl. Länge von Greenwich	Geogr. Breite
	h m	° ′	° ′
Anfang der Finsternis	Febr. 13, 22 5.1	239 15	— 6 35
Anfang der zentralen Verfinsterung	„ 13, 23 6.8	252 10	+ 3 55
Zentrale Verfinsterung im wahren Mittag	„ 14, 1 2.2	191 58	+19 22
Ende der zentralen Verfinsterung .	„ 14, 2 9.5	136 41	+52 26
Ende der Finsternis	„ 14, 3 11.3	146 40	+42 19

Verlauf der Zentrallinie

Welt-Zeit	Westl. Länge von Greenwich	Geogr. Breite	Dauer der Totalität	Welt-Zeit	Westl. Länge von Greenwich	Geogr. Breite	Dauer der Totalität
h m	° ′	° ′	m s	h m	° ′	° ′	m s
23 6.8	252 10	+ 3 55	—	1 0	192 33.5	+18 45.3	2 45.6
23 20	228 26.4	+ 0 54.0	1 49.0	1 20	186 40.2	+24 40.8	2 31.4
23 40	216 43.3	+ 2 31.0	2 21.2	1 40	178 49.1	+31 51.4	2 9.3
0 0	209 5.1	+ 5 29.2	2 40.9	2 0	164 28.2	+41 44.8	1 35.4
0 20	203 5.2	+ 9 14.8	2 50.9	2 9.5	136 41	+52 26	—
0 40	197 47.5	+13 39.7	2 52.2				

Die Finsternis ist sichtbar in Ostasien, im östlichsten Teil des Indischen Ozeans, auf den Sunda-Inseln, in Australien mit Ausnahme der südlichsten Teile, im Stillen Ozean, an der pazifischen Küste der Vereinigten Staaten, von Canada und Alaska.

Elemente der totalen Sonnenfinsternis 1934, Februar 13—14

Welt-Zeit	x	y	log sin d	log cos d	μ	$l^{(a)}$	$l^{(i)}$
h m					° ′		
22 0	−1.57443	−0.20088	9.36344n	9.98810	146 24.5	+0.54121	−0.00468
10	1.48801	0.16037	9.36337n	9.98811	148 54.6	0.54124	0.00466
20	1.40159	0.11986	9.36330n	9.98811	151 24.6	0.54126	0.00464
30	1.31518	0.07934	9.36323n	9.98811	153 54.6	0.54128	0.00461
40	1.22876	−0.03882	9.36316n	9.98812	156 24.6	0.54130	0.00459
50	1.14234	+0.00171	9.36308n	9.98812	158 54.6	0.54132	0.00457
23 0	−1.05592	+0.04224	9.36301n	9.98813	161 24.6	+0.54134	−0.00455
10	0.96950	0.08278	9.36294n	9.98813	163 54.6	0.54136	0.00453
20	0.88308	0.12332	9.36287n	9.98813	166 24.6	0.54138	0.00451
30	0.79666	0.16386	9.36280n	9.98814	168 54.7	0.54140	0.00449
40	0.71024	0.20441	9.36273n	9.98814	171 24.7	0.54142	0.00448
50	0.62382	0.24496	9.36265n	9.98815	173 54.7	0.54144	0.00446
0 0	−0.53740	+0.28552	9.36258n	9.98815	176 24.7	+0.54145	−0.00444
10	0.45098	0.32608	9.36251n	9.98815	178 54.8	0.54147	0.00443
20	0.36456	0.36664	9.36244n	9.98816	181 24.8	0.54148	0.00441
30	0.27815	0.40720	9.36237n	9.98816	183 54.8	0.54150	0.00440
40	0.19174	0.44777	9.36230n	9.98817	186 24.8	0.54151	0.00439
50	0.10533	0.48834	9.36222n	9.98817	188 54.8	0.54152	0.00437
1 0	−0.01892	+0.52892	9.36215n	9.98817	191 24.8	+0.54153	−0.00436
10	+0.06748	0.56950	9.36208n	9.98818	193 54.8	0.54154	0.00435
20	0.15388	0.61008	9.36201n	9.98818	196 24.8	0.54156	0.00434
30	0.24028	0.65066	9.36194n	9.98819	198 54.8	0.54157	0.00433
40	0.32667	0.69124	9.36187n	9.98819	201 24.9	0.54158	0.00432
50	0.41306	0.73183	9.36179n	9.98819	203 54.9	0.54158	0.00431
2 0	+0.49945	+0.77241	9.36172n	9.98820	206 24.9	+0.54159	−0.00430
10	0.58583	0.81300	9.36165n	9.98820	208 54.9	0.54160	0.00430
20	0.67221	0.85359	9.36158n	9.98821	211 24.9	0.54160	0.00429
30	0.75859	0.89419	9.36151n	9.98821	213 54.9	0.54161	0.00428
40	0.84496	0.93478	9.36143n	9.98822	216 25.0	0.54162	0.00428
50	0.93132	0.97538	9.36136n	9.98822	218 55.0	0.54162	0.00428
3 0	+1.01768	+1.01598	9.36129n	9.98822	221 25.0	+0.54162	−0.00427
10	1.10403	1.05658	9.36122n	9.98823	223 55.0	0.54163	0.00427
20	+1.19038	+1.09718	9.36115n	9.98823	226 25.0	+0.54163	−0.00427

Welt-Zeit	x'	y'	log tang $f^{(a)}$	log tang $f^{(i)}$
h m				
22 0	+0.008642	+0.004050	7.67524	7.67307
23 0	0.008642	0.004053	7.67523	7.67307
0 0	0.008642	0.004056	7.67523	7.67306
1 0	0.008641	0.004058	7.67523	7.67306
2 0	0.008639	0.004059	7.67522	7.67306
3 0	0.008636	0.004060	7.67522	7.67305
4 0	+0.008632	+0.004061	7.67522	7.67305

III. Partielle Mondfinsternis 1934 Juli 26
unsichtbar in Berlin.

Opposition in Rektaszension	Juli 26,	$11^h\ 51^m\ 46^s.3$ Welt-Zeit
Rektaszension des Mondes		$20^h\ 20^m\ 18^s.78$
Stündliche Änderung		2 34.49
Rektaszension der Sonne		8 20 18.78
Stündliche Änderung		9.87
Deklination des Mondes		$-20^\circ\ 15'\ 57''.9$
Stündliche Änderung		+ 12 5.8
Deklination der Sonne		+19 32 37.4
Stündliche Änderung		− 0 32.7
Äquatorialhorizontalparallaxe des Mondes .		$61'\ 24''.5$
,, der Sonne . .		8.7
Halbmesser des Mondes		$16'\ 43''.1$
,, der Sonne		15 44.9
Eintritt des Mondes in den Halbschatten .	Juli 26,	$9^h\ 50^m.1$ Welt-Zeit
Eintritt des Mondes in den Kernschatten .	,,	10 54.2 ,,
Mitte der Finsternis	,,	12 15.3 ,,
Austritt des Mondes aus dem Kernschatten	,,	13 36.3 ,,
Austritt des Mondes aus dem Halbschatten	,,	14 39.8 ,,

Der Mond steht zu den Zeiten der ersten und letzten Berührung mit dem Kernschatten im Zenit der Orte, deren geographische Lage ist:

162° 32′ westliche Länge von Greenwich, 20° 28′ südliche Breite
201° 26′ ,, ,, ,, ,, 19° 55′ ,, ,,

Positionswinkel des Eintritts	= 31°
,, ,, Austritts	= 291°
Größe der Finsternis in Einheiten des Monddurchmessers	= 0.668

Der Anfang der Finsternis ist sichtbar in den westlichen Teilen von Nord- und Südamerika, im Stillen Ozean, im südlichen Eismeer, in Australien und im äußersten Osten von Asien. Das Ende ist sichtbar im äußersten Nordwesten von Nordamerika, im Stillen Ozean, im südlichen Eismeer, in Australien, im Indischen Ozean, in Zentral- und Ostasien.

IV. Ringförmige Sonnenfinsternis 1934 August 10 unsichtbar in Berlin.

		h m s
Konjunktion in Rektaszension . . .	August 10,	9 12 31.1 Welt-Zeit

	h m s
Rektaszension des Mondes	9 17 59.31
Stündliche Änderung	1 53.39
Rektaszension der Sonne	9 17 59.31
Stündliche Änderung	9.50
	° ′ ″
Deklination des Mondes	+15 3 33.6
Stündliche Änderung	— 11 32.5
Deklination der Sonne	+15 44 1.7
Stündliche Änderung	— 0 43.6
Äquatorialhorizontalparallaxe des Mondes . .	54 3.9
„ der Sonne . .	8.7
	′ ″
Halbmesser des Mondes	14 43.2
„ der Sonne	15 46.8

	Welt-Zeit	Westl. Länge von Greenwich	Geogr. Breite
	h m	° ′	° ′
Anfang der Finsternis	August 10, 5 50.8	355 35	— 2 44
Anfang der zentralen Verfinsterung	„ 7 11.6	10 47	—19 36
Zentrale Verfinsterung im wahren Mittag	„ 9 12.5	316 48	—33 9
Ende der zentralen Verfinsterung	„ 10 2.7	272 7	—62 31
Ende der Finsternis	„ 11 23.6	277 15	—47 12

Verlauf der Zentrallinie

Welt-Zeit	Westl. Länge von Greenwich	Geogr. Breite	Dauer der ringf. Verfinst.	Welt-Zeit	Westl. Länge von Greenwich	Geogr. Breite	Dauer der ringf. Verfinst.
h m	° ′	° ′	m s	h m	° ′	° ′	m s
7 11.6	10 47	—19 36	—	9 0	320 4.6	—29 43.4	6 24.5
7 20	353 51.4	—16 6.2	5 40.5	9 20	314 35.3	—35 25.9	6 11.1
7 40	342 0.0	—16 17.4	6 11.1	9 40	306 46.8	—42 55.4	5 52.2
8 0	334 57.8	—18 18.9	6 27.5	10 0	287 33.5	—56 2.8	5 20.6
8 20	329 33.9	—21 18.4	6 34.0	10 2.7	272 7	—62 31	—
8 40	324 49.1	—25 5.8	6 32.4				

Die Finsternis ist sichtbar in Afrika mit Ausnahme der Gebiete nördlich von etwa +20° Breite, im südöstlichen Atlantischen Ozean und im südwestlichen Teil des Indischen Ozeans.

Elemente der ringförmigen Sonnenfinsternis 1934, August 10

Welt-Zeit	x	y	log sin d	log cos d	μ	$l^{(a)}$	$l^{(i)}$
h m					° ′		
5 50	−1.57014	−0.07447	9.43434	9.98333	266 9.4	+0.56566	+0.01965
6 0	−1.49261	−0.10782	9.43429	9.98333	268 39.4	+0.56567	+0.01965
10	1.41508	0.14117	9.43424	9.98334	271 9.4	0.56567	0.01966
20	1.33755	0.17452	9.43418	9.98334	273 39.5	0.56567	0.01966
30	1.26002	0.20787	9.43413	9.98334	276 9.5	0.56568	0.01966
40	1.18248	0.24123	9.43408	9.98335	278 39.5	0.56568	0.01966
50	1.10495	0.27459	9.43403	9.98335	281 9.6	0.56568	0.01966
7 0	−1.02742	−0.30796	9.43398	9.98336	283 39.6	+0.56568	+0.01967
10	0.94989	0.34134	9.43393	9.98336	286 9.6	0.56568	0.01967
20	0.87236	0.37471	9.43387	9.98336	288 39.6	0.56568	0.01967
30	0.79482	0.40809	9.43382	9.98337	291 9.6	0.56568	0.01967
40	0.71729	0.44148	9.43377	9.98337	293 39.7	0.56568	0.01966
50	0.63976	0.47487	9.43372	9.98338	296 9.7	0.56568	0.01966
8 0	−0.56223	−0.50826	9.43367	9.98338	298 39.7	+0.56568	+0.01966
10	0.48470	0.54166	9.43361	9.98339	301 9.7	0.56567	0.01966
20	0.40717	0.57506	9.43356	9.98339	303 39.8	0.56567	0.01965
30	0.32964	0.60846	9.43351	9.98339	306 9.8	0.56566	0.01965
40	0.25211	0.64187	9.43346	9.98340	308 39.8	0.56566	0.01964
50	0.17458	0.67528	9.43341	9.98340	311 9.9	0.56565	0.01964
9 0	−0.09705	−0.70869	9.43335	9.98341	313 39.9	+0.56565	+0.01963
10	−0.01952	0.74211	9.43330	9.98341	316 9.9	0.56564	0.01963
20	+0.05800	0.77553	9.43325	9.98341	318 39.9	0.56564	0.01962
30	0.13552	0.80895	9.43320	9.98342	321 10.0	0.56563	0.01961
40	0.21304	0.84238	9.43314	9.98342	323 40.0	0.56562	0.01961
50	0.29055	0.87581	9.43309	9.98343	326 10.0	0.56561	0.01960
10 0	+0.36807	−0.90924	9.43304	9.98343	328 40.0	+0.56560	+0.01959
10	0.44558	0.94268	9.43299	9.98344	331 10.1	0.56559	0.01958
20	0.52309	0.97612	9.43294	9.98344	333 40.1	0.56558	0.01957
30	0.60060	1.00956	9.43288	9.98344	336 10.1	0.56557	0.01956
40	0.67810	1.04300	9.43283	9.98345	338 40.1	0.56556	0.01955
50	0.75560	1.07644	9.43278	9.98345	341 10.2	0.56555	0.01954
11 0	+0.83310	−1.10989	9.43273	9.98346	343 40.2	+0.56554	+0.01952
10	0.91059	1.14334	9.43268	9.98346	346 10.2	0.56553	0.01951
20	0.98808	1.17679	9.43262	9.98346	348 40.3	0.56551	0.01950
30	+1.06556	−1.21025	9.43257	9.98347	351 10.3	+0.56550	+0.01948

Welt-Zeit	x'	y'	log tang $f^{(a)}$	log tang $f^{(i)}$
h m				
5 0	+0.007752	−0.003331	7.66405	7.66188
6 0	0.007753	0.003334	7.66405	7.66188
7 0	0.007753	0.003337	7.66406	7.66189
8 0	0.007753	0.003340	7.66406	7.66189
9 0	0.007753	0.003342	7.66406	7.66189
10 0	0.007752	0.003344	7.66406	7.66190
11 0	0.007750	0.003345	7.66407	7.66190
12 0	+0.007747	−0.003346	7.66407	7.66190

Sternbedeckungen 1934

Elemente der in Mitteleuropa sichtbaren Sternbedeckungen

Stern			Konjunktion in Rektaszension					Grenzen der Sichtbarkeit in geogr. Br.		Alter d. Mondes
Name	Gr.	δ app.	Welt-Zeit	Stundenw. H	Y	x'	y'			
Januar										
	m	° ′	d h m	h m				°	°	d
37 Geminor.	5.7	+25 27.7	1 0 26.8	+0 15.4	+0.7569	0.5417	−0.0870	+90	+17	14.9
49 B. Cancri	6.0	+20 57.4	2 16 59.2	−8 30.8	+0.5040	0.5233	−0.1683	+77	− 6	16.6
δ Cancri	4.2	+18 23.8	3 5 10.1	+3 17.7	+1.1641	0.5172	−0.1879	+90	+33	17.1
A Leonis	4.6	+10 19.2	5 0 45.3	−2 23.5	+0.6376	0.5000	−0.2388	+86	− 8	18.9
d Leonis	5.1	+ 3 58.2	6 5 21.1	+1 24.4	+0.4425	0.4963	−0.2561	+70	−21	20.1
υ Leonis	4.5	− 0 27.7	7 1 5.5	−3 24.4	+0.1075	0.4985	−0.2609	+50	−38	20.9
252 B. Aquarii	5.8	− 5 20.4	18 18 55.8	+3 54.0	+0.3141	0.5325	+0.2739	+61	−28	3.2
51 Piscium	5.6	+ 6 35.6	20 18 41.5	+2 10.3	+0.9921	0.5159	+0.2593	+90	+11	5.2
ε Arietis (m.)	4.6	+21 4.8	23 19 0.2	+0 14.4	+1.2494	0.5298	+0.1608	+86	+46	8.2
16 Tauri	5.4	+24 5.2	24 16 20.8	−3 6.9	+0.9485	0.5372	+0.1174	+90	+25	9.1
17 Tauri	3.8	+23 54.6	24 16 22.9	−3 4.9	+1.1461	0.5372	+0.1173	+90	+40	9.1
18 Tauri	5.6	+24 38.2	24 16 30.3	−2 57.7	+0.3622	0.5373	+0.1170	+67	− 7	9.1
q Tauri	4.3	+24 15.9	24 16 31.9	−2 56.2	+0.7739	0.5373	+0.1170	+90	+15	9.1
20 Tauri	4.1	+24 10.0	24 16 49.1	−2 39.5	+0.9162	0.5374	+0.1164	+90	+23	9.1
21 Tauri	5.8	+24 21.2	24 16 51.2	−2 37.5	+0.7148	0.5374	+0.1163	+90	+11	9.1
112 B. Aurigae	5.7	+26 53.2	26 19 15.8	−1 55.7	+0.8465	0.5467	−0.0030	+90	+30	11.2
μ Cancri	5.5	+21 46.4	29 17 4.5	−6 26.4	+0.6076	0.5273	−0.1588	+86	+ 1	14.1
49 B. Cancri	6.0	+20 57.4	29 23 14.2	−0 28.3	+0.4994	0.5245	−0.1698	+76	− 6	14.4
18 Leonis	5.8	+12 6.8	31 19 13.2	−5 48.4	+1.3169	0.5062	−0.2304	+85	+42	16.2
Februar										
	m	° ′	d h m	h m				°	°	d
A Leonis	4.6	+10 19.2	1 6 39.8	+5 18.4	+0.5793	0.5028	−0.2409	+81	−11	16.7
48 Leonis	5.2	+ 7 17.5	1 21 8.3	−4 37.6	+0.3148	0.4998	−0.2512	+62	−26	17.3
370 B. Virginis	6.0	−11 17.7	4 23 22.5	−4 30.7	+1.1086	0.5145	−0.2491	+79	+19	20.4
210 B. Scorpii	5.8	−28 45.3	10 6 22.4	−2 13.5	+1.2144	0.6067	+0.0298	+61	+41	25.7
7 Tauri	5.9	+24 14.9	20 19 1.2	+1 30.8	+0.1943	0.5396	+0.1284	+55	−17	6.8
16 Tauri	5.4	+24 5.2	20 23 45.3	+6 5.3	+0.9544	0.5408	+0.1180	+90	+26	7.0
17 Tauri	3.8	+23 54.6	20 23 47.4	+6 7.3	+1.1503	0.5408	+0.1179	+90	+41	7.0
18 Tauri	5.6	+24 38.2	20 23 54.7	+6 14.4	+0.3730	0.5408	+0.1176	+67	− 6	7.0
q Tauri	4.3	+24 15.9	20 23 56.2	+6 15.8	+0.7813	0.5408	+0.1176	+90	+16	7.0
20 Tauri	4.1	+24 10.0	21 0 13.2	+6 32.3	+0.9224	0.5408	+0.1169	+90	+24	7.0
21 Tauri	5.8	+24 21.2	21 0 15.3	+6 34.3	+0.7226	0.5409	+0.1168	+90	+12	7.0
η Tauri	2.9	+23 54.3	21 0 58.8	+7 16.2	+1.2948	0.5411	+0.1152	+70	+60	7.0
χ Tauri	5.3	+25 28.7	21 16 51.0	−1 23.9	+1.1227	0.5442	+0.0785	+90	+43	7.7
112 B. Aurigae	5.7	+26 53.2	23 2 15.3	+6 51.4	+0.8477	0.5460	−0.0031	+90	+30	9.1
μ Cancri	5.5	+21 46.5	26 0 6.2	+2 22.8	+0.6071	0.5262	−0.1584	+86	+ 1	12.0
δ Cancri	4.2	+18 23.8	26 18 22.4	−3 54.9	+1.1452	0.5188	−0.1894	+90	+32	12.8
18 Leonis	5.8	+12 6.7	28 2 5.1	+2 51.0	+1.3215	0.5080	−0.2309	+84	+43	14.1
März										
	m	° ′	d h m	h m				°	°	d
48 Leonis	5.2	+ 7 17.4	1 3 45.5	+3 47.1	+0.3315	0.5032	−0.2525	+62	−25	15.2
d Leonis	5.1	+ 3 58.1	1 17 32.7	−6 49.2	+0.3871	0.5025	−0.2595	+66	−23	15.7
p^4 Leonis	5.6	+ 2 18.6	1 20 57.6	−3 30.1	+1.2842	0.5026	−0.2608	+90	+33	15.9
370 B. Virginis	6.0	−11 17.7	4 5 0.9	+2 55.1	+1.1558	0.5187	−0.2507	+79	+22	18.2
75 Virginis	5.6	−15 1.7	4 23 51.4	−2 49.8	+0.5083	0.5302	−0.2330	+67	−17	19.0
37 Geminor.	5.7	+25 27.7	23 21 32.1	+2 43.5	+0.6519	0.5384	−0.0873	+90	+11	8.4
δ Cancri	4.2	+18 23.8	26 2 18.5	+5 48.9	+1.0288	0.5168	−0.1878	+90	+22	10.6
A Leonis	4.6	+10 19.1	27 21 27.0	−0 19.0	+0.5190	0.5050	−0.2403	+76	−14	12.4

Sternbedeckungen 1934

Elemente der in Mitteleuropa sichtbaren Sternbedeckungen

Stern			Konjunktion in Rektaszension					Grenzen der Sichtbarkeit in geogr. Br.	Alter d. Mondes
Name	Gr.	δ app.	Welt-Zeit	Stundenw. H	Y	x′	y′		
März									
	m	° ′	d h m	h m				° °	d
d Leonis	5.1	+ 3 58.1	29 1 26.7	+2 52.6	+0.3570	0.5043	−0.2589	+64 −25	13.6
υ Leonis	4.5	− 0 27.8	29 20 41.1	−2 26.3	+0.0556	0.5076	−0.2639	+47 −41	14.4
April									
	m	° ′	d h m	h m				° °	d
Venus	−4.1	− 9 7.8	10 9 21.8	+0 12.8	+0.3480	0.4984	+0.2530	+61 −27	25.9
16 Tauri	5.4	+24 5.1	16 17 6.6	+3 2.3	+0.6321	0.5514	+0.1183	+90 + 7	2.7
17 Tauri	3.8	+23 54.6	16 17 8.6	+3 4.3	+0.8258	0.5514	+0.1183	+90 +18	2.7
18 Tauri	5.6	+24 38.2	16 17 15.8	+3 11.1	+0.0567	0.5514	+0.1180	+47 −23	2.7
Tauri	4.3	+24 15.8	16 17 17.2	+3 12.6	+0.4605	0.5514	+0.1179	+74 − 2	2.7
20 Tauri	4.1	+24 9.9	16 17 33.8	+3 28.6	+0.5996	0.5514	+0.1173	+86 + 5	2.7
21 Tauri	5.8	+24 21.1	16 17 35.8	+3 30.5	+0.4020	0.5514	+0.1172	+69 − 5	2.7
23 Tauri	4.3	+23 44.8	16 17 47.4	+3 41.6	+1.0777	0.5515	+0.1168	+90 +35	2.7
η Tauri	2.9	+23 54.3	16 18 18.0	+4 11.3	+0.9666	0.5516	+0.1156	+90 +27	2.8
27 Tauri	3.7	+23 51.3	16 19 2.6	+4 54.3	+1.1056	0.5518	+0.1138	+90 +38	2.8
28 Tauri	5.2	+23 56.3	16 19 3.2	+4 54.9	+1.0165	0.5518	+0.1138	+90 +31	2.8
112 B. Aurigae	5.7	+26 53.2	18 18 28.2	+2 39.9	+0.4633	0.5517	−0.0039	+75 + 9	4.8
49 B. Cancri	6.0	+20 57.4	21 22 23.2	+4 3.8	+0.1132	0.5199	−0.1670	+50 −26	7.9
18 Leonis	5.8	+12 6.8	23 18 42.7	−0 55.7	+1.0042	0.5039	−0.2266	+90 +15	9.8
48 Leonis	5.2	+ 7 17.4	24 20 34.4	+0 11.7	+0.0823	0.5011	−0.2483	+48 −38	10.9
370 B. Virginis	6.0	−11 17.8	27 20 56.1	−1 34.2	+1.1708	0.5272	−0.2506	+79 +24	13.9
83 Virginis	5.6	−15 51.2	28 20 29.0	−2 47.5	+0.2282	0.5459	−0.2272	+49 −31	14.9
Mai									
	m	° ′	d h m	h m				° °	d
b Scorpii	4.7	−25 33.4	1 1 9.1	−0 4.9	+0.6585	0.5907	−0.1187	+62 − 6	17.0
4 Scorpii	5.7	−26 4.6	1 2 53.6	+1 35.5	+0.9810	0.5919	−0.1138	+64 +15	17.1
10 G. Sagittar.	5.7	−28 3.4	3 0 8.5	−3 3.3	+0.9700	0.6037	+0.0286	+62 +16	19.0
ϑ Capricorni	4.2	−17 29.7	6 3 16.5	−2 52.6	+0.4499	0.5544	+0.2189	+60 −19	22.1
48 Geminor.	5.8	+24 14.5	17 21 26.5	+5 57.6	+0.7168	0.5374	−0.1063	+90 +13	4.4
δ Cancri	4.2	+18 23.9	19 18 34.8	+1 40.8	+0.4721	0.5133	−0.1862	+73 −10	6.3
p^4 Leonis	5.6	+ 2 18.6	22 22 42.6	+3 38.5	+0.8162	0.4979	−0.2537	+90 0	9.4
q Virginis	5.3	− 9 5.6	24 20 24.9	+0 1.4	+1.2481	0.5168	−0.2526	+81 +30	11.4
75 Virginis	5.6	−15 1.8	26 0 58.0	+3 40.3	+0.4791	0.5397	−0.2307	+64 −18	12.5
φ Sagittarii	3.3	−27 3.6	31 2 18.8	+0 8.8	+1.1808	0.6067	+0.0894	+63 +35	17.6
Juni									
	m	° ′	d h m	h m				° °	d
42 Capricorni	5.1	−14 20.4	3 1 16.9	−3 37.9	+1.1829	0.5479	+0.2431	+76 +26	20.6
μ Arietis	5.7	+19 44.0	9 3 6.9	−6 24.5	+1.1734	0.5383	+0.1722	+90 +37	26.6
Merkur	0.7	+23 26.3	14 7 6.4	−6 40.2	+1.1679	0.4958	−0.1009	+90 +44	2.2
b Scorpii	4.7	−25 33.4	24 20 57.9	−0 39.9	+0.6049	0.5932	−0.1146	+59 − 9	12.8
4 Scorpii	5.7	−26 4.7	24 22 41.4	+0 59.4	+0.9330	0.5947	−0.1098	+64 +12	12.8
π Scorpii	3.0	−25 55.8	24 23 57.9	+2 12.7	+0.6472	0.5960	−0.1062	+61 − 7	12.9
201 B. Sagittar.	5.9	−26 1.1	27 22 18.6	−2 29.3	+1.2870	0.6076	+0.1238	+64 +53	15.8
ψ Sagittar.	4.8	−25 22.3	27 23 9.9	−1 40.2	+0.7596	0.6070	+0.1264	+65 0	15.9
χ Sagittar.	4.9	−24 38.3	28 2 45.8	+1 46.5	+0.5141	0.6046	+0.1370	+55 −15	16.0
4 Capricorni	5.7	−22 0.8	28 22 49.7	−2 59.1	+1.2379	0.5884	+0.1894	+68 +37	16.9
Juli									
	m	° ′	d h m	h m				° °	d
150 B. Aquarii	6.0	− 9 21.9	1 1 2.7	−2 37.2	+0.4110	0.5450	+0.2624	+64 −22	18.9
22 Piscium	5.8	+ 2 34.1	2 22 10.6	−6 57.0	+0.4490	0.5240	+0.2667	+70 −20	20.8
75 Virginis	5.6	−15 1.8	19 18 28.3	+0 46.3	+0.1629	0.5255	−0.2228	+46 −35	8.1

Sternbedeckungen 1934

Elemente der in Mitteleuropa sichtbaren Sternbedeckungen

Stern			Konjunktion in Rektaszension					Grenzen der Sichtbarkeit in geogr. Br.	Alter d. Mondes
Name	Gr.	δ app.	Welt-Zeit	Stundenw. H	Y	x′	y′		
Juli									
	m	° ′	d h m	h m				° °	d
φ Sagittar.	3.3	−27 3.7	24 23 3.3	+0 29.6	+1.2077	0.6108	+0.0930	+63 +38	13.3
19 Capricorni	5.7	−18 10.2	27 0 2.1	−0 33.1	+0.5103	0.5802	+0.2224	+63 −16	15.3
252 B. Aquarii	5.8	− 5 20.0	29 3 55.5	+1 28.2	+1.1612	0.5431	+0.2750	+85 +22	17.5
λ Piscium	4.6	+ 1 25.3	30 1 44.7	−1 26.0	+0.4064	0.5343	+0.2734	+67 −22	18.4
August									
	m	° ′	d h m	h m				° °	d
ε Arietis (m.)	4.6	+21 4.9	2 22 39.5	−7 32.6	+1.2105	0.5417	+0.1557	+90 +43	22.2
ε Geminor.	3.2	+25 11.9	7 3 21.6	−6 18.4	+0.7724	0.5420	−0.0808	+90 +18	26.4
π Scorpii	3.0	−25 55.8	18 17 32.9	−0 36.4	+0.5933	0.5773	−0.1019	+58 −10	8.3
ψ Sagittar.	4.8	−25 22.3	21 20 6.6	−1 7.2	+0.7703	0.5988	+0.1256	+65 + 1	11.4
χ Sagittar.	4.9	−24 38.3	21 23 47.5	+2 24.5	+0.5247	0.5975	+0.1363	+56 −14	11.6
150 B. Aquarii	6.0	− 9 21.8	24 21 27.6	−2 36.0	+0.4533	0.5565	+0.2681	+67 −20	14.5
μ Arietis	5.7	+19 44.2	29 22 43.0	−5 26.0	+1.3039	0.5469	+0.1731	+78 +53	19.5
16 Tauri	5.4	+24 5.2	31 2 23.7	−2 42.9	+0.6705	0.5520	+0.1122	+90 +10	20.7
17 Tauri	3.8	+23 54.7	31 2 25.7	−2 41.0	+0.8628	0.5520	+0.1121	+90 +21	20.7
18 Tauri	5.6	+24 38.3	31 2 32.8	−2 34.2	+0.0978	0.5520	+0.1118	+49 −20	20.7
q Tauri	4.3	+24 16.0	31 2 34.2	−2 32.8	+0.4989	0.5520	+0.1117	+77 + 1	20.7
20 Tauri	4.1	+24 10.0	31 2 50.6	−2 16.9	+0.6354	0.5520	+0.1111	+90 + 8	20.7
21 Tauri	5.8	+24 21.2	31 2 52.6	−2 15.0	+0.4388	0.5521	+0.1110	+72 − 2	20.7
23 Tauri	4.3	+23 44.9	31 3 4.1	−2 3.9	+1.1092	0.5521	+0.1106	+90 +38	20.7
η Tauri	2.9	+23 54.4	31 3 34.6	−1 34.5	+0.9956	0.5521	+0.1094	+90 +30	20.7
27 Tauri	3.7	+23 51.4	31 4 18.8	−0 51.8	+1.1292	0.5522	+0.1076	+90 +40	20.8
28 Tauri	5.2	+23 56.4	31 4 19.4	−0 51.2	+1.0407	0.5522	+0.1076	+90 +33	20.8
September									
	m	° ′	d h m	h m				° °	d
112 B. Aurigae	5.7	+26 53.2	2 3 40.6	−3 10.1	+0.2157	0.5506	−0.0092	+57 − 4	22.8
48 Geminor.	5.8	+24 14.5	3 23 2.4	−9 16.5	+0.5159	0.5356	−0.1089	+78 + 1	24.6
58 Geminor.	6.0	+23 4.4	4 4 16.0	−4 13.2	+1.2127	0.5332	−0.1196	+89 +47	24.8
X Sagittar.	(4.4)	−27 48.6	16 18 14.7	+0 11.2	+0.8997	0.5917	+0.0220	+63 +11	7.8
σ Sagittar.	2.1	−26 22.9	17 20 17.5	+1 10.5	+1.0416	0.5904	+0.1002	+64 +21	8.8
19 Capricorni	5.7	−18 10.2	19 20 10.5	−0 48.5	+0.6011	0.5694	+0.2167	+68 −11	10.8
ϑ Capricorni	4.2	−17 29.6	20 0 51.0	+3 41.6	+0.9584	0.5668	+0.2250	+73 +10	11.0
252 B. Aquarii	5.8	− 5 20.0	22 0 52.3	+2 1.2	+1.1405	0.5465	+0.2745	+85 +21	13.0
λ Piscium	4.6	+ 1 25.5	22 22 20.5	−1 13.9	+0.3350	0.5428	+0.2755	+62 −26	13.9
22 Piscium	5.8	+ 2 34.3	23 2 54.3	+3 10.8	+0.4422	0.5425	+0.2741	+69 −20	14.1
χ Tauri	5.3	+25 28.7	28 3 13.4	−0 40.4	+0.5140	0.5601	+0.0726	+78 + 5	19.1
139 Tauri	4.7	+25 56.9	29 20 34.0	−8 48.4	+0.8487	0.5517	−0.0321	+90 +28	20.9
Oktober									
	m	° ′	d h m	h m				° °	d
ω Geminor.	5.2	+24 18.7	1 1 42.4	−4 39.6	+0.7247	0.5386	−0.0988	+90 +14	22.1
150 B. Aquarii	6.0	− 9 21.8	18 15 46.1	−4 41.6	+0.6549	0.5438	+0.2584	+80 − 9	10.1
μ Arietis	5.7	+19 44.3	23 17 37.6	−6 55.4	+0.9997	0.5586	+0.1735	+90 +24	15.1
ε Arietis (m.)	4.6	+21 5.1	24 0 55.0	+0 6.5	+0.8081	0.5607	+0.1579	+90 +13	15.4
16 Tauri	5.4	+24 5.3	24 20 23.6	−5 7.2	+0.2981	0.5650	+0.1123	+62 −10	16.2
17 Tauri	3.8	+23 54.8	24 20 25.5	−5 5.4	+0.4875	0.5650	+0.1122	+76 0	16.3
q Tauri	4.3	+24 16.0	24 20 33.7	−4 57.4	+0.1285	0.5650	+0.1119	+51 −18	16.3
20 Tauri	4.1	+24 10.1	24 20 49.6	−4 42.2	+0.2624	0.5651	+0.1112	+59 −11	16.3
21 Tauri	5.8	+24 21.3	24 20 51.5	−4 40.3	+0.0686	0.5651	+0.1111	+47 −21	16.3

Sternbedeckungen 1934

Elemente der in Mitteleuropa sichtbaren Sternbedeckungen

Stern			Konjunktion in Rektaszension					Grenzen der Sichtbarkeit in geogr. Br.	Alter d. Mondes
Name	Gr.	δ app.	Welt-Zeit	Stundenw. H	Y	x′	y′		
Oktober									
	m	° ′	d h m	h m				° °	d
23 Tauri	4.3	+23 45.0	24 21 2.6	−4 29.6	+0.7288	0.5651	+0.1107	+90 +13	16.3
η Tauri	2.9	+23 54.5	24 21 32.0	−4 1.3	+0.6157	0.5652	+0.1095	+88 + 7	16.3
27 Tauri	3.7	+23 51.5	24 22 14.7	−3 20.1	+0.7456	0.5653	+0.1077	+90 +15	16.3
28 Tauri	5.2	+23 56.5	24 22 15.3	−3 19.6	+0.6584	0.5653	+0.1077	+90 +10	16.3
125 Tauri	5.1	+25 51.8	26 21 12.9	−6 4.6	+0.8556	0.5599	−0.0134	+90 +30	18.3
139 Tauri	4.7	+25 56.9	27 5 8.0	+1 33.5	+0.5811	0.5567	−0.0332	+85 +13	18.6
ε Geminor.	3.2	+25 11.9	28 1 31.4	−2 45.7	+0.2267	0.5466	−0.0813	+57 −11	19.5
58 Geminor.	6.0	+23 4.4	28 19 46.3	−9 7.5	+0.7186	0.5359	−0.1198	+90 +11	20.2
ϑ Cancri	5.5	+18 19.0	30 5 4.2	−0 52.4	+0.9867	0.5162	−0.1767	+90 +21	21.6
π Cancri	5.6	+15 12.8	31 3 41.1	−2 55.6	+0.0795	0.5054	−0.2058	+47 −33	22.6
November									
	m	° ′	d h m	h m				° °	d
66 B. Sagittar.	4.7	−27 4.2	10 17 16.9	+2 19.6	+1.0694	0.5953	+0.0595	+63 +24	3.5
29 Capricorni	5.5	−15 26.6	13 17 53.1	+0 9.6	+0.3580	0.5529	+0.2253	+56 −24	6.5
150 B. Aquarii	6.0	− 9 21.8	14 21 46.3	+3 6.0	+0.9313	0.5383	+0.2546	+81 + 7	7.7
λ Piscium	4.6	+ 1 25.5	16 14 24.8	−5 34.0	+0.6235	0.5304	+0.2646	+83 −10	9.4
22 Piscium	5.8	+ 2 34.3	16 19 11.2	−0 56.8	+0.7106	0.5305	+0.2633	+90 − 5	9.6
μ Arietis	5.7	+19 44.3	20 2 12.8	+3 27.7	+1.0010	0.5561	+0.1701	+90 +24	13.9
16 Tauri	5.4	+24 5.4	21 5 10.9	+5 28.0	+0.2257	0.5651	+0.1098	+56 −13	14.0
17 Tauri	3.8	+23 54.8	21 5 12.8	+5 29.9	+0.4157	0.5651	+0.1098	+70 − 3	14.0
q Tauri	4.3	+24 16.1	21 5 21.1	+5 37.8	+0.0551	0.5651	+0.1094	+46 −22	14.0
20 Tauri	4.1	+24 10.1	21 5 37.0	+5 53.1	+0.1888	0.5652	+0.1088	+54 −15	14.0
23 Tauri	4.3	+23 45.0	21 5 50.0	+6 5.7	+0.6563	0.5652	+0.1082	+90 +10	14.0
η Tauri	2.9	+23 54.5	21 6 19.6	+6 34.2	+0.5416	0.5653	+0.1071	+80 + 4	14.1
27 Tauri	3.7	+23 51.5	21 7 2.4	+7 15.5	+0.6701	0.5655	+0.1053	+90 +11	14.1
28 Tauri	5.2	+23 56.5	21 7 3.0	+7 16.0	+0.5826	0.5655	+0.1053	+84 + 6	14.1
χ Tauri	5.3	+25 28.8	21 21 11.7	−3 6.2	+0.1902	0.5675	+0.0697	+54 −11	14.7
125 Tauri	5.1	+25 51.8	23 5 56.2	+4 26.5	+0.6750	0.5632	−0.0153	+90 +19	16.0
ω Geminor.	5.2	+24 18.6	24 18 27.0	−8 19.4	+0.1895	0.5452	−0.1017	+54 −15	17.6
58 Geminor.	6.0	+23 4.3	25 4 11.8	+1 5.9	+0.4580	0.5390	−0.1216	+73 − 3	18.0
o^1 Cancri	5.1	+15 34.4	27 2 32.9	−1 59.5	+1.2600	0.5100	−0.1951	+90 +42	19.9
o^2 Cancri	5.7	+15 49.9	27 2 43.2	−1 49.4	+0.9399	0.5099	−0.1953	+90 +15	19.9
p^5 Leonis	5.3	+ 0 17.1	30 5 11.6	−1 25.3	+1.1779	0.4930	−0.2461	+90 +25	23.0
Dezember									
	m	° ′	d h m	h m				° °	d
75 Virginis	5.6	−15 1.7	3 6 4.2	−2 39.6	+0.2076	0.5312	−0.2174	+48 −32	26.1
19 Capricorni	5.7	−18 10.3	10 15 0.6	−0 36.0	+1.3257	0.5662	+0.2150	+71 +47	3.9
λ Piscium	4.6	+ 1 25.4	13 19 57.3	+1 45.8	+0.8715	0.5286	+0.2629	+90 + 4	7.1
ε Arietis (m.)	4.6	+21 5.1	17 16 25.1	−4 48.0	+0.8934	0.5534	+0.1513	+90 +19	11.0
η Tauri	2.9	+23 54.5	18 13 30.6	−8 27.2	+0.6020	0.5607	+0.1042	+86 + 7	11.9
27 Tauri	3.7	+23 51.5	18 14 14.1	−7 45.2	+0.7299	0.5609	+0.1025	+90 +14	11.9
28 Tauri	5.2	+23 56.6	18 14 14.7	−7 44.6	+0.6418	0.5609	+0.1024	+90 + 9	11.9
χ Tauri	5.3	+25 28.8	19 4 35.3	+6 5.0	+0.2178	0.5638	+0.0673	+56 − 9	12.5
139 Tauri	4.7	+25 56.9	20 21 33.7	−2 25.2	+0.3354	0.5597	−0.0370	+64 0	14.2
87 B. Geminor.	5.8	+23 40.8	21 21 32.6	−3 16.4	+1.2422	0.5490	−0.0933	+83 +54	15.2
ω Geminor.	5.2	+24 18.6	22 2 16.4	+1 17.7	+0.0879	0.5464	−0.1035	+48 −20	15.4
ϑ Cancri	5.5	+18 18.9	23 21 8.4	−5 12.7	+0.5203	0.5194	−0.1796	+77 − 7	17.2

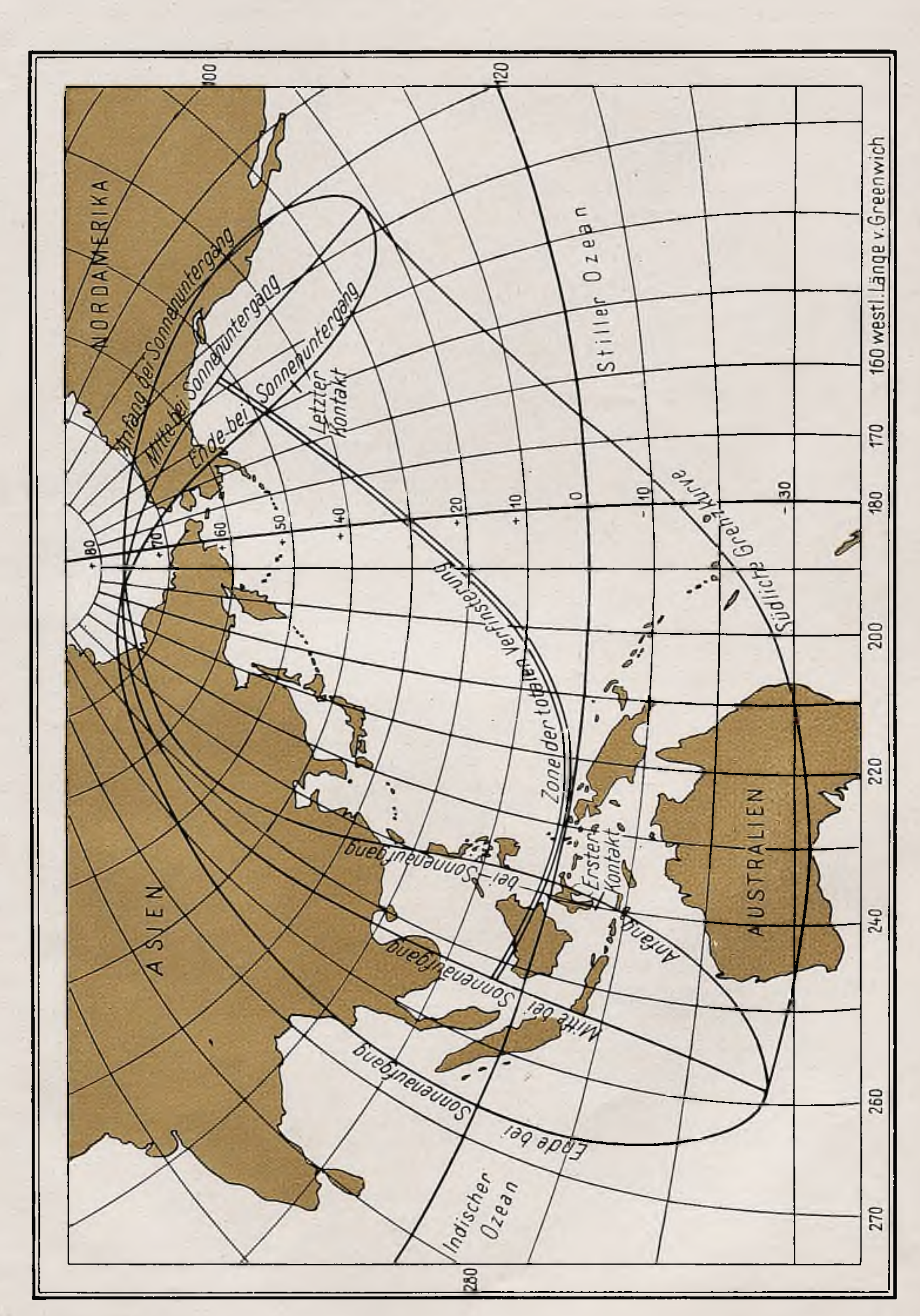
Sternbedeckungen 1934

Ein- und Austritte für Berlin-Babelsberg

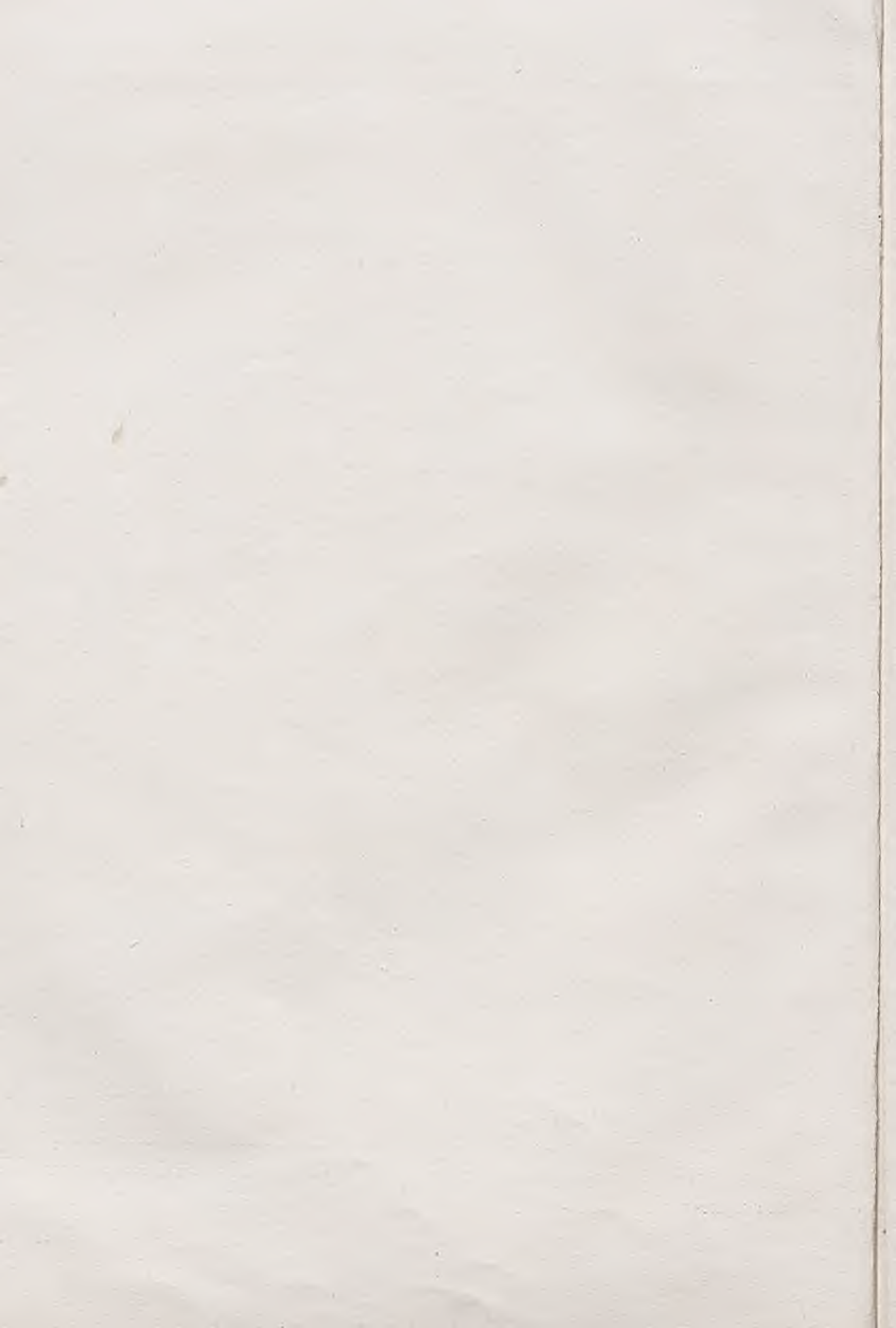
Tag		Stern	Größe	Phase	Welt-Zeit	P	a	b	Alter des Mondes
1934			m		h m	°	m	m	d
Jan.	3	δ Cancri	4.2	E.	6 11.5	166	+0.4	—2.4	17.2
	3	δ Cancri	4.2	A.	6 50	246	—0.3	—1.4	17.2
	5	*A* Leonis	4.6	A.	0 50.5	282	—1.5	+0.4	18.9
Febr.	1	48 Leonis	5.2	A.	20 18	327	—0.4	—0.3	17.2
	20	7 Tauri	5.9	E.	19 42.5	15	—	—	6.8
	24	52 Geminorum	6.1	E.	23 12.5	52	—1.9	0.0	11.0
	26	μ Cancri	5.5	E.	0 34	75	—1.1	—1.3	12.0
März	4	75 Virginis	5.6	A.	23 19.5	341	—0.2	—0.7	19.0
	23	37 Geminorum	5.7	E.	22 1.5	95	—0.6	—1.7	8.4
	27	*A* Leonis	4.6	E.	20 55	86	—2.0	+0.2	12.4
April	16	*q* Tauri	4.3	E.	17 52.5	68	—0.6	—0.9	2.7
	16	20 Tauri	4.1	E.	18 8	94	—0.3	—1.7	2.8
	16	21 Tauri	5.8	E.	18 17.5	50	—0.7	—0.5	2.8
	18	112 B. Aurigae	5.7	E.	18 59	64	—1.0	—0.9	4.8
Mai	24	*q* Virginis	5.3	E.	20 50	182	—0.1	—2.1	11.4
Juni	3	42 Capricorni	5.1	A.	0 47	223	—0.8	+1.7	20.5
Aug.	7	ε Geminorum	3.2	E.	1 49	115	+0.1	+1.0	26.4
	7	ε Geminorum	3.2	A.	2 42	247	+0.2	+2.0	26.4
	21	ψ Sagittarii	4.8	E.	19 45	25	—1.0	+0.9	11.4
	31	17 Tauri	3.8	E.	1 19.5	136	—	—	20.7
	31	*q* Tauri	4.3	E.	1 25.5	54	—0.6	+2.2	20.7
	31	20 Tauri	4.1	E.	1 39	85	—1.1	+1.4	20.7
	31	17 Tauri	3.8	A.	1 48.5	185	—	—	20.7
	31	16 Tauri	5.4	A.	2 15.5	236	—0.9	+2.0	20.7
	31	*q* Tauri	4.3	A.	2 36	268	—1.4	+0.9	20.7
	31	20 Tauri	4.1	A.	2 51.5	236	—1.1	+1.8	20.7
	31	21 Tauri	5.8	A.	3 1	275	—1.6	+0.5	20.7
Sept.	20	151 B. Capricorni	6.1	E.	18 34	61	—1.0	+1.3	11.8
	28	χ Tauri	5.3	A.	3 55.5	247	—1.5	+0.4	19.2
Okt.	1	ω Geminorum	5.2	A.	1 3.5	231	—0.1	+3.0	22.0
	24	23 Tauri	4.3	E.	19 32.5	68	—0.1	+1.8	16.2
	24	η Tauri	2.9	E.	20 9	52	—0.1	+2.1	16.2
	24	23 Tauri	4.3	A.	20 33.5	255	—0.4	+1.7	16.3
	24	27 Tauri	3.7	E.	20 51	91	—0.7	+1.4	16.3
	24	η Tauri	2.9	A.	21 9	270	—0.8	+1.4	16.3
	24	27 Tauri	3.7	A.	21 54	231	—0.6	+2.2	16.3
	24	28 Tauri	5.2	A.	22 0	249	—0.8	+1.7	16.3
	26	125 Tauri	5.1	A.	20 31	234	+0.3	+2.1	18.3
	28	ε Geminorum	3.2	E.	0 25.5	38	—	—	19.4
	28	ε Geminorum	3.2	A.	1 8	332	—	—	19.4
Nov.	2	35 Sextantis	6.1	A.	2 47.5	325	—0.5	—0.3	24.5
	16	22 Piscium	5.8	E.	18 38.5	45	—1.0	+1.3	9.6
	25	58 Geminorum	6.0	A.	5 16.5	328	—0.2	—2.8	18.0
Dez.	23	ϑ Cancri	5.5	A.	20 31	284	—0.4	+1.2	17.2

Totale Sonnenfinsternis

1934 Februar 13—14

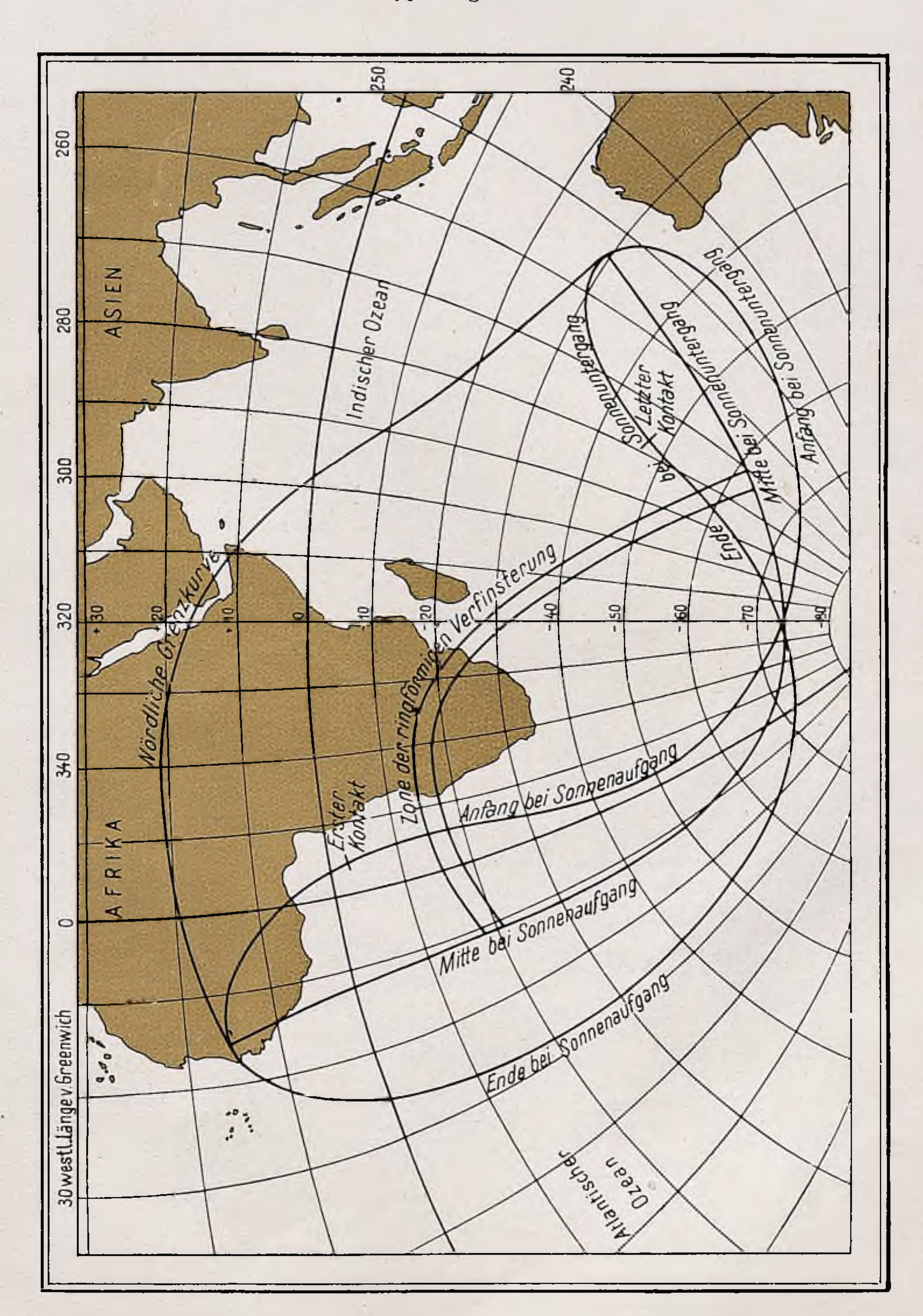


Zu Seite 279*



Ringförmige Sonnenfinsternis

1934 August 10



Zu Seite 282*



Ein- und Austritte für Königsberg

Tag		Stern	Größe	Phase	Welt-Zeit	P	a	b	Alter des Mondes
1934			m		h m	°	m	m	d
Jan.	3	δ Cancri	4.2	E.	6 3.5	155	+0.3	−2.1	17.2
	3	δ Cancri	4.2	A.	6 47.5	254	0.0	−1.5	17.2
	5	*A* Leonis	4.6	A.	1 1	297	−1.3	−0.4	18.9
	24	*q* Tauri	4.3	E.	15 19.5	105	−1.3	+0.9	9.0
	24	21 Tauri	5.8	E.	15 43	98	−1.3	+1.0	9.1
	24	18 Tauri	5.6	E.	15 46.5	13	+0.1	+3.9	9.1
Febr.	1	48 Leonis	5.2	A.	20 20	338	−0.5	−0.9	17.2
	26	μ Cancri	5.5	E.	0 39.5	58	−1.2	−1.0	12.0
März	4	75 Virginis	5.6	A.	23 17	2	+0.4	−1.8	19.0
	23	37 Geminorum	5.7	E.	22 2.5	82	−0.6	−1.5	8.4
	27	*A* Leonis	4.6	E.	21 12.5	64	—	—	12.4
April	16	17 Tauri	3.8	E.	17 52.5	144	+0.4	−3.9	2.7
	16	*q* Tauri	4.3	E.	17 54.5	55	−0.5	−0.7	2.7
	16	20 Tauri	4.1	E.	18 6.5	82	−0.2	−1.4	2.8
	16	21 Tauri	5.8	E.	18 22	34	−0.7	+0.1	2.8
	18	112 B. Aurigae	5.7	E.	19 4	51	−1.0	−0.5	4.8
Mai	24	*q* Virginis	5.3	E.	20 48	167	−0.5	−1.7	11.4
Juni	3	42 Capricorni	5.1	A.	0 57	222	−0.8	+1.5	20.5
Aug.	7	ε Geminorum	3.2	E.	1 51.5	118	−0.1	+1.0	26.4
	7	ε Geminorum	3.2	A.	2 45.5	245	+0.1	+2.2	26.4
	31	17 Tauri	3.8	E.	1 35	145	—	—	20.7
	31	*q* Tauri	4.3	E.	1 36	57	−0.8	+2.0	20.7
	31	20 Tauri	4.1	E.	1 51	88	−1.2	+1.0	20.7
	31	17 Tauri	3.8	A.	1 55.5	177	—	—	20.7
	31	16 Tauri	5.4	A.	2 27	235	−1.0	+1.8	20.7
	31	*q* Tauri	4.3	A.	2 48.5	267	−1.4	+0.6	20.7
	31	20 Tauri	4.1	A.	3 4	236	−1.2	+1.6	20.7
	31	21 Tauri	5.8	A.	3 13	276	−1.5	+0.1	20.7
Sept.	19	19 Capricorni	5.7	E.	20 34.5	342	—	—	10.9
	28	χ Tauri	5.3	A.	4 6.5	254	−1.3	−0.2	19.2
Okt.	1	ω Geminorum	5.2	A.	1 12.5	233	−0.4	+3.0	22.1
	24	17 Tauri	3.8	E.	19 33.5	349	—	—	16.2
	24	23 Tauri	4.3	E.	19 38	72	−0.3	+1.8	16.2
	24	17 Tauri	3.8	A.	19 41.5	334	—	—	16.2
	24	η Tauri	2.9	E.	20 15	57	−0.3	+2.0	16.2
	24	23 Tauri	4.3	A.	20 41.5	251	−0.6	+1.8	16.3
	24	27 Tauri	3.7	E.	21 0	95	−0.9	+1.3	16.3
	24	η Tauri	2.9	A.	21 19	266	−0.9	+1.4	16.3
	24	27 Tauri	3.7	A.	22 3.5	228	−0.7	+2.2	16.3
	24	28 Tauri	5.2	A.	22 10.5	247	−0.9	+1.6	16.3
	26	125 Tauri	5.1	A.	20 34	230	+0.2	+2.3	18.3
	28	ε Geminorum	3.2	E.	0 41	31	—	—	19.4
	28	ε Geminorum	3.2	A.	1 13	342	—	—	19.5
Nov.	16	22 Piscium	5.8	E.	18 48	50	−1.0	+0.7	9.6
Dez.	17	ε Arietis (m.)	4.6	E.	14 55.5	83	−0.3	+1.7	10.9
	23	ϑ Cancri	5.5	A.	20 37.5	288	−0.6	+1.1	17.2

Sternbedeckungen 1934

Ein- und Austritte für München

Tag		Stern	Größe	Phase	Welt-Zeit	P	a	b	Alter des Mondes
1934			m		h m	°	m	m	d
Jan.	3	δ Cancri	4.2	E.	6 23.5	175	+0.7	—2.7	17.2
	3	δ Cancri	4.2	A.	6 54.5	238	—0.5	—1.0	17.2
	5	A Leonis	4.6	A.	0 45	266	—2.0	+1.2	18.9
Febr.	1	48 Leonis	5.2	A.	20 17.5	311	—0.5	+0.2	17.2
	20	7 Tauri	5.9	E.	19 32	39	—1.5	+1.1	6.8
	26	μ Cancri	5.5	E.	0 37.5	85	—1.0	—1.4	12.0
März	4	75 Virginis	5.6	A.	23 21.5	326	—0.5	—0.4	19.0
	23	37 Geminorum	5.7	E.	22 8	104	—0.5	—1.8	8.4
	27	A Leonis	4.6	E.	20 53	100	—1.9	—0.3	12.4
April	16	20 Tauri	4.1	E.	18 15.5	107	—0.2	—2.0	2.8
	16	21 Tauri	5.8	E.	18 19.5	64	—0.6	—0.8	2.8
	18	112 B. Aurigae	5.7	E.	19 2	80	—0.9	—1.2	4.8
Mai	19	δ Cancri	4.2	E.	19 5	50	—	—	6.3
	24	q Virginis	5.3	E.	21 2	197	—	—	11.4
	31	φ Sagittarii	3.3	E.	2 20.5	147	—	—	17.6
	31	φ Sagittarii	3.3	A.	2 43.5	185	—	—	17.6
Juni	3	42 Capricorni	5.1	A.	0 38	220	—0.8	+1.9	20.5
	24	4 Scorpii	5.7	E.	22 45	90	—1.4	—0.8	12.8
Aug.	7	ε Geminorum	3.2	A.	2 33.5	239	+0.4	+2.0	26.4
	21	ψ Sagittarii	4.8	E.	19 39	29	—1.3	+1.1	11.4
	31	q Tauri	4.3	E.	1 16	61	—0.7	+2.0	20.7
	31	20 Tauri	4.1	E.	1 32	93	—1.3	+1.2	20.7
	31	16 Tauri	5.4	A.	2 5	227	—0.8	+2.3	20.7
	31	q Tauri	4.3	A.	2 29	258	—1.4	+1.3	20.7
	31	20 Tauri	4.1	A.	2 41	226	—1.0	+2.3	20.7
	31	21 Tauri	5.8	A.	2 55.5	265	—1.6	+0.9	20.7
Sept.	2	112 B. Aurigae	5.7	A.	3 6.5	325	—	—	22.7
	16	X Sagittarii	(4.4)	E.	18 1	76	—1.6	—0.2	7.8
	17	σ Sagittarii	2.1	E.	20 31	124	—2.0	—1.9	8.9
	28	χ Tauri	5.3	A.	3 49	231	—1.7	+1.4	19.2
Okt.	1	ω Geminorum	5.2	A.	0 49	215	—	—	22.0
	24	17 Tauri	3.8	E.	19 21.5	347	—	—	16.2
	24	23 Tauri	4.3	E.	19 25	72	—0.1	+1.7	16.2
	24	17 Tauri	3.8	A.	19 28.5	334	—	—	16.2
	24	η Tauri	2.9	E.	20 0	58	—0.1	+2.0	16.2
	24	23 Tauri	4.3	A.	20 25.5	250	—0.4	+1.8	16.3
	24	27 Tauri	3.7	E.	20 44	97	—0.8	+1.3	16.3
	24	η Tauri	2.9	A.	21 1.5	263	—0.7	+1.5	16.3
	24	27 Tauri	3.7	A.	21 43.5	223	—0.4	+2.4	16.3
	24	28 Tauri	5.2	A.	21 51	241	—0.8	+1.9	16.3
	26	125 Tauri	5.1	A.	20 22.5	226	+0.5	+2.2	18.2
	28	ε Geminorum	3.2	E.	0 10.5	56	—0.7	+2.8	19.4
	28	ε Geminorum	3.2	A.	1 11.5	312	—1.7	—0.9	19.4
Nov.	16	22 Piscium	5.8	E.	18 31	50	—1.2	+1.4	9.6
Dez.	23	ϑ Cancri	5.5	A.	20 24.5	271	—0.3	+1.5	17.2

0^h Welt-Zeit	Mondbewegung			Lage des Mondäquators gegen den Erdäquator							
	☊	$L_☾$	$M_☾$	i		$Δ$		☊′		$Δ-☋$	
1934	°	°	°	°		°		°		°	
Jan. −3	321.7870	48.8140	131.46	22.258	9	139.470	555	2.514	28	357.684	27
+7	321.2575	180.5779	262.11	22.267	9	138.915	554	2.542	28	357.657	26
17	320.7280	312.3419	32.76	22.276	10	138.361	554	2.570	28	357.631	25
27	320.1984	84.1059	163.41	22.286	11	137.807	554	2.598	28	357.606	25
Febr. 6	319.6689	215.8699	294.06	22.297	10	137.253	554	2.626	27	357.581	25
16	319.1394	347.6339	64.71	22.307	10	136.699	555	2.653	27	357.556	25
26	318.6098	119.3978	195.36	22.317	10	136.144	554	2.680	27	357.531	25
März 8	318.0803	251.1618	326.01	22.327	10	135.590	554	2.707	26	357.506	24
18	317.5507	22.9258	96.66	22.337	10	135.036	554	2.733	27	357.482	24
28	317.0212	154.6897	227.31	22.347	10	134.482	554	2.760	26	357.458	24
April 7	316.4917	286.4537	357.96	22.357	11	133.928	553	2.786	26	357.434	24
17	315.9621	58.2177	128.61	22.368	10	133.375	553	2.812	25	357.410	24
27	315.4326	189.9816	259.26	22.378	10	132.822	552	2.837	25	357.386	23
Mai 7	314.9030	321.7456	29.91	22.388	11	132.270	553	2.862	25	357.363	23
17	314.3735	93.5096	160.56	22.399	10	131.717	552	2.887	25	357.340	22
27	313.8440	225.2735	291.21	22.409	11	131.165	552	2.912	25	357.318	23
Juni 6	313.3144	357.0375	61.86	22.420	11	130.613	551	2.937	24	357.295	22
16	312.7849	128.8015	192.51	22.431	11	130.062	552	2.961	24	357.273	22
26	312.2553	260.5654	323.16	22.442	11	129.510	551	2.985	23	357.251	21
Juli 6	311.7258	32.3294	93.81	22.453	11	128.959	550	3.008	23	357.230	21
16	311.1963	164.0934	224.46	22.464	11	128.409	551	3.031	23	357.209	21
26	310.6667	295.8573	355.11	22.475	11	127.858	550	3.054	23	357.188	21
Aug. 5	310.1372	67.6213	125.76	22.486	12	127.308	550	3.077	22	357.167	21
15	309.6077	199.3853	256.41	22.498	11	126.758	550	3.099	22	357.146	20
25	309.0781	331.1492	27.06	22.509	12	126.208	549	3.121	22	357.126	20
Sept. 4	308.5486	102.9132	157.71	22.521	11	125.659	550	3.143	22	357.106	20
14	308.0190	234.6772	288.36	22.532	12	125.109	549	3.165	21	357.086	19
24	307.4895	6.4411	59.01	22.544	12	124.560	549	3.186	21	357.067	19
Okt. 4	306.9600	138.2051	189.66	22.556	12	124.011	548	3.207	20	357.048	19
14	306.4304	269.9691	320.31	22.568	11	123.463	548	3.227	21	357.029	19
24	305.9009	41.7330	90.96	22.579	12	122.915	548	3.248	20	357.010	18
Nov. 3	305.3713	173.4970	221.61	22.591	12	122.367	547	3.268	19	356.992	18
13	304.8418	305.2610	352.26	22.603	12	121.820	547	3.287	20	356.974	17
23	304.3123	77.0249	122.91	22.615	12	121.273	547	3.307	19	356.957	18
Dez. 3	303.7827	208.7889	253.56	22.627	13	120.726	546	3.326	18	356.939	17
13	303.2532	340.5529	24.21	22.640	12	120.180	547	3.344	19	356.922	17
23	302.7236	112.3168	154.86	22.652	12	119.633	546	3.363	18	356.905	16
33	302.1941	244.0808	285.51	22.664		119.087		3.381		356.889	

Tag		0h Welt-Zeit								
		$\alpha_{☾} - \alpha_k$			$\delta_{☾} - \delta_k$			log sin p_k		
1934		s	s	s	"	"	"			
Jan.	1	− 5.83			− 11.0			8.19761		
			+1.76			+21.0			+ 59	
	2	− 4.07		+0.15	+ 10.0		−1.9	8.19820		+ 69
			+1.91			+19.1			+128	
	3	− 2.16		+0.02	+ 29.1		−2.0	8.19948		+ 75
			+1.93			+17.1			+203	
	4	− 0.23		−0.09	+ 46.2		−1.6	8.20151		+ 80
			+1.84			+15.5			+283	
	5	+ 1.61		−0.17	+ 61.7		−1.1	8.20434		+ 86
			+1.67			+14.4			+369	
	6	+ 3.28		−0.24	+ 76.1		−0.1	8.20803		+ 90
			+1.43			+14.3			+459	
	7	+ 4.71		−0.35	+ 90.4		+0.5	8.21262		+ 85
			+1.08			+14.8			+544	
	8	+ 5.79			+105.2			8.21806		
Jan.	24	−10.94			−101.1			8.20544		
			+0.50			+16.9			−358	
	25	−10.44		+0.26	− 84.2		+4.0	8.20186		+119
			+0.76			+20.9			−239	
	26	− 9.68		+0.33	− 63.3		+2.3	8.19947		+111
			+1.09			+23.2			−128	
	27	− 8.59		+0.36	− 40.1		+0.5	8.19819		+103
			+1.45			+23.7			− 25	
	28	− 7.14		+0.28	− 16.4		−0.9	8.19794		+ 85
			+1.73			+22.8			+ 60	
	29	− 5.41		+0.15	+ 6.4		−1.6	8.19854		+ 73
			+1.88			+21.2			+133	
	30	− 3.53		+0.03	+ 27.6		−2.0	8.19987		+ 62
			+1.91			+19.2			+195	
	31	− 1.62		−0.09	+ 46.8		−1.8	8.20182		+ 52
			+1.82			+17.4			+247	
Febr.	1	+ 0.20		−0.15	+ 64.2		−1.5	8.20429		+ 50
			+1.67			+15.9			+297	
	2	+ 1.87		−0.22	+ 80.1		−0.9	8.20726		+ 48
			+1.45			+15.0			+345	
	3	+ 3.32		−0.29	+ 95.1		−0.5	8.21071		+ 48
			+1.16			+14.5			+393	
	4	+ 4.48		−0.37	+109.6		−0.4	8.21464		+ 49
			+0.79			+14.1			+442	
	5	+ 5.27		−0.52	+123.7		−0.3	8.21906		+ 45
			+0.27			+13.8			+487	
	6	+ 5.54		−0.70	+137.5		−1.3	8.22393		+ 33
			−0.43			+12.5			+520	
	7	+ 5.11			+150.0			8.22913		
Febr.	22	−10.37			− 70.9			8.20262		
			+0.94			+23.6			−249	
	23	− 9.43		+0.42	− 47.3		+1.0	8.20013		+134
			+1.36			+24.6			−115	
	24	− 8.07		+0.33	− 22.7		−0.8	8.19898		+124
			+1.69			+23.8			+ 9	
	25	− 6.38		+0.19	+ 1.1		−1.6	8.19907		+110
			+1.88			+22.2			+119	
	26	− 4.50		+0.04	+ 23.3		−1.9	8.20026		+ 89
			+1.92			+20.3			+208	
	27	− 2.58		−0.10	+ 43.6		−1.7	8.20234		+ 72
			+1.82			+18.6			+280	
	28	− 0.76		−0.19	+ 62.2		−1.2	8.20514		+ 47
			+1.63			+17.4			+327	
März	1	+ 0.87		−0.25	+ 79.6		−0.8	8.20841		+ 31
			+1.38			+16.6			+358	
	2	+ 2.25		−0.30	+ 96.2		−0.7	8.21199		+ 13
			+1.08			+15.9			+371	
	3	+ 3.33		−0.38	+112.1		−0.8	8.21570		+ 5
			+0.70			+15.1			+376	
	4	+ 4.03		−0.48	+127.2		−1.1	8.21946		− 3
			+0.22			+14.0			+373	
	5	+ 4.25		−0.60	+141.2		−2.3	8.22319		− 6
			−0.38			+11.7			+367	
	6	+ 3.87		−0.71	+152.9		−4.1	8.22686		− 6
			−1.09			+ 7.6			+361	
	7	+ 2.78		−0.72	+160.5		−6.8	8.23047		− 14
			−1.81			+ 0.8			+347	
	8	+ 0.97			+161.3			8.23394		

Tag		$\alpha_{☾} - \alpha_k$ (s)	Δ1 (s)	Δ2 (s)	$\delta_{☾} - \delta_k$ (″)	Δ1 (″)	Δ2 (″)	log sin p_k	Δ1	Δ2
		0h Welt-Zeit								
1934										
März	24	−6.92	+1.88		− 4.1	+22.6		8.19983	+ 36	
	25	−5.04	+1.97	+0.09	+ 18.5	+20.4	− 2.2	8.20019	+165	+129
	26	−3.07	+1.90	−0.07	+ 38.9	+18.6	− 1.8	8.20184	+277	+112
	27	−1.17	+1.70	−0.20	+ 57.5	+17.3	− 1.3	8.20461	+366	+ 89
	28	+0.53	+1.43	−0.27	+ 74.8	+16.7	− 0.6	8.20827	+427	+ 61
	29	+1.96	+1.07	−0.36	+ 91.5	+16.7	0.0	8.21254	+455	+ 28
	30	+3.03	+0.64	−0.43	+108.2	+16.5	− 0.2	8.21709	+451	− 4
	31	+3.67	+0.10	−0.54	+124.7	+15.7	− 0.8	8.22160	+423	− 28
April	1	+3.77	−0.54	−0.64	+140.4	+13.5	− 2.2	8.22583	+372	− 51
	2	+3.23	−1.28	−0.74	+153.9	+ 8.8	− 4.7	8.22955	+310	− 62
	3	+1.95	−1.99	−0.71	+162.7	+ 1.1	− 7.7	8.23265	+241	− 69
	4	−0.04	−2.42	−0.43	+163.8	− 9.3	−10.4	8.23506	+175	− 66
	5	−2.46	−2.41	+0.01	+154.5	−20.5	−11.2	8.23681	+114	− 61
	6	−4.87	−1.94	+0.47	+134.0	−30.5	−10.0	8.23795	+ 55	− 59
	7	−6.81			+103.5			8.23850		
April	23	−1.39	+1.88		+ 53.6	+16.2		8.20254	+326	
	24	+0.49	+1.62	−0.26	+ 69.8	+15.3	− 0.9	8.20580	+435	+109
	25	+2.11	+1.27	−0.35	+ 85.1	+15.4	+ 0.1	8.21015	+517	+ 82
	26	+3.38	+0.83	−0.44	+100.5	+15.8	+ 0.4	8.21532	+561	+ 44
	27	+4.21	+0.25	−0.58	+116.3	+16.3	+ 0.5	8.22093	+565	+ 4
	28	+4.46	−0.47	−0.72	+132.6	+15.4	− 0.9	8.22658	+521	− 44
	29	+3.99	−1.34	−0.87	+148.0	+12.0	− 3.4	8.23179	+441	− 80
	30	+2.65	−2.22	−0.88	+160.0	+ 4.7	− 7.3	8.23620	+329	−112
Mai	1	+0.43	−2.87	−0.65	+164.7	− 6.6	−11.3	8.23949	+200	−129
	2	−2.44	−2.95	−0.08	+158.1	−19.9	−13.3	8.24149	+ 70	−130
	3	−5.39	−2.40	+0.55	+138.2	−31.7	−11.8	8.24219	− 47	−117
	4	−7.79	−1.51	+0.89	+106.5	−39.1	− 7.4	8.24172	−145	− 98
	5	−9.30	−0.64	+0.87	+ 67.4	−40.9	− 1.8	8.24027	−220	− 75
	6	−9.94			+ 26.5			8.23807		
Mai	22	+2.04	+1.58		+ 81.6	+13.1		8.20578	+471	
	23	+3.62	+1.20	−0.38	+ 94.7	+13.3	+ 0.2	8.21049	+571	+100
	24	+4.82	+0.68	−0.52	+108.0	+14.3	+ 1.0	8.21620	+639	+ 68
	25	+5.50	0.00	−0.68	+122.3	+14.9	+ 0.6	8.22259	+663	+ 24
	26	+5.50	−0.89	−0.89	+137.2	+13.9	− 1.0	8.22922	+635	− 28
	27	+4.61	−1.96	−1.07	+151.1	+ 9.4	− 4.5	8.23557	+549	− 86
	28	+2.65		−0.99	+160.5		− 9.6	8.24106		−134

Tag		0^h Welt-Zeit $\alpha_☾ - \alpha_k$			$\delta_☾ - \delta_k$			log sin p_k		
1934										
Mai	28	+ 2.65s	−2.95s	−0.99s	+160.5″	− 0.2″	− 9.6″	8.24106	+415	−134
	29	− 0.30	−3.48	−0.53	+160.3	−14.4	−14.2	8.24521	+243	−172
	30	− 3.78	−3.24	+0.24	+145.9	−29.4	−15.0	8.24764	+ 55	−188
	31	− 7.02	−2.36	+0.88	+116.5	−40.6	−11.2	8.24819	−125	−180
Juni	1	− 9.38	−1.29	+1.07	+ 75.9	−45.0	− 4.4	8.24694	−275	−150
	2	−10.67	−0.44	+0.85	+ 30.9	−43.5	+ 1.5	8.24419	−389	−114
	3	−11.11	+0.07	+0.51	− 12.6	−37.0	+ 6.5	8.24030	−459	− 70
	4	−11.04	+0.28	+0.21	− 49.6	−28.9	+ 8.1	8.23571	−492	− 33
	5	−10.76			− 78.5			8.23079		
Juni	21	+ 5.84s	+0.60s		+116.2″	+12.0″		8.21565	+659	
	22	+ 6.44	−0.15	−0.75s	+128.2	+12.5	+ 0.5″	8.22224	+708	+ 49
	23	+ 6.29	−1.13	−0.98	+140.7	+11.0	− 1.5	8.22932	+707	− 1
	24	+ 5.16	−2.26	−1.13	+151.7	+ 5.5	− 5.5	8.23639	+644	− 63
	25	+ 2.90	−3.26	−1.00	+157.2	− 5.6	−11.1	8.24283	+519	−125
	26	− 0.36	−3.66	−0.40	+151.6	−21.0	−15.4	8.24802	+338	−181
	27	− 4.02	−3.24	+0.42	+130.6	−36.1	−15.1	8.25140	+122	−216
	28	− 7.26	−2.27	+0.97	+ 94.5	−45.9	− 9.8	8.25262	−103	−225
	29	− 9.53	−1.28	+0.99	+ 48.6	−48.3	− 2.4	8.25159	−309	−206
	30	−10.81	−0.54	+0.74	+ 0.3	−43.8	+ 4.5	8.24850	−472	−163
Juli	1	−11.35	−0.13	+0.41	− 43.5	−35.4	+ 8.4	8.24378	−578	−106
	2	−11.48	+0.02	+0.15	− 78.9	−24.8	+10.6	8.23800	−630	− 52
	3	−11.46	+0.03	+0.01	−103.7	−13.9	+10.9	8.23170	−630	0
	4	−11.43			−117.6			8.22540		
Juli	20	+ 6.60s	−0.30s		+135.5″	+ 9.2″		8.22105	+679	
	21	+ 6.30	−1.26	−0.96s	+144.7	+ 6.6	− 2.6″	8.22784	+703	+ 24
	22	+ 5.04	−2.32	−1.06	+151.3	0.0	− 6.6	8.23487	+671	− 32
	23	+ 2.72	−3.12	−0.80	+151.3	−11.5	−11.5	8.24158	+580	− 91
	24	− 0.40	−3.32	−0.20	+139.8	−26.2	−14.7	8.24738	+424	−156
	25	− 3.72	−2.87	+0.45	+113.6	−39.5	−13.3	8.25162	+220	−204
	26	− 6.59	−2.07	+0.80	+ 74.1	−47.5	− 8.0	8.25382	− 17	−237
	27	− 8.66	−1.29	+0.78	+ 26.6	−48.3	− 0.8	8.25365	−250	−233
	28	− 9.95	−0.77	+0.52	− 21.7	−42.6	+ 5.7	8.25115	−454	−204
	29	−10.72	−0.50	+0.27	− 64.3	−32.8	+ 9.8	8.24661	−602	−148
	30	−11.22	−0.40	+0.10	− 97.1	−20.8	+12.0	8.24059	−686	− 84
	31	−11.62	−0.39	+0.01	−117.9	− 8.6	+12.2	8.23373	−710	− 24
Aug.	1	−12.01	−0.38	+0.01	−126.5	+ 3.0	+11.6	8.22663	−680	+ 30
	2	−12.39	−0.28	+0.10	−123.5	+13.1	+10.1	8.21983	−613	+ 67
	3	−12.67			−110.4			8.21370		

Tag		0^h Welt-Zeit								
		$\alpha_{☾} - \alpha_k$			$\delta_{☾} - \delta_k$			log sin p_k		
1934										
Aug.	19	+ 3.76 s	−2.19 s		+149.0″	− 7.2″		8.23262	+605	
	20	+ 1.57	−2.64	−0.45 s	+141.8	−18.1	−10.9″	8.23867	+550	− 55
	21	− 1.07	−2.58	+0.06	+123.7	−30.3	−12.2	8.24417	+439	−111
	22	− 3.65	−2.18	+0.40	+ 93.4	−40.3	−10.0	8.24856	+276	−163
	23	− 5.83	−1.63	+0.55	+ 53.1	−45.5	− 5.2	8.25132	+ 71	−205
	24	− 7.46	−1.18	+0.45	+ 7.6	−44.9	+ 0.6	8.25203	−150	−221
	25	− 8.64	−0.92	+0.26	− 37.3	−38.9	+ 6.0	8.25053	−362	−212
	26	− 9.56	−0.83	+0.09	− 76.2	−28.8	+10.1	8.24691	−534	−172
	27	−10.39	−0.82	+0.01	−105.0	−16.4	+12.4	8.24157	−653	−119
	28	−11.21	−0.82	0.00	−121.4	− 3.4	+13.0	8.23504	−707	− 54
	29	−12.03	−0.72	+0.10	−124.8	+ 8.6	+12.0	8.22797	−701	+ 6
	30	−12.75	−0.45	+0.27	−116.2	+18.9	+10.3	8.22096	−648	+ 53
	31	−13.20	+0.03	+0.48	− 97.3	+26.2	+ 7.3	8.21448	−558	+ 90
Sept.	1	−13.17			− 71.1			8.20890		
Sept.	17	− 0.67 s	−1.98 s		+125.9″	−25.3″		8.23612	+420	
	18	− 2.65	−1.69	+0.29 s	+100.6	−33.6	− 8.3″	8.24032	+350	− 70
	19	− 4.34	−1.32	+0.37	+ 67.0	−39.2	− 5.6	8.24382	+238	−112
	20	− 5.66	−1.02	+0.30	+ 27.8	−41.0	− 1.8	8.24620	+ 92	−146
	21	− 6.68	−0.87	+0.15	− 13.2	−38.7	+ 2.3	8.24712	− 81	−173
	22	− 7.55	−0.87	0.00	− 51.9	−32.2	+ 6.5	8.24631	−258	−177
	23	− 8.42	−0.97	−0.10	− 84.1	−22.5	+ 9.7	8.24373	−421	−163
	24	− 9.39	−1.08	−0.11	−106.6	−10.7	+11.8	8.23952	−549	−128
	25	−10.47	−1.10	−0.02	−117.3	+ 2.1	+12.8	8.23403	−628	− 79
	26	−11.57	−0.92	+0.18	−115.2	+13.9	+11.8	8.22775	−650	− 22
	27	−12.49	−0.48	+0.44	−101.3	+23.5	+ 9.6	8.22125	−622	+ 28
	28	−12.97	+0.18	+0.66	− 77.8	+29.7	+ 6.2	8.21503	−550	+ 72
	29	−12.79	+0.96	+0.78	− 48.1	+31.9	+ 2.2	8.20953	−447	+103
	30	−11.83	+1.62	+0.66	− 16.2	+30.9	− 1.0	8.20506	−323	+124
Okt.	1	−10.21			+ 14.7			8.20183		
Okt.	17	− 5.73 s	−0.57 s		+ 32.9″	−37.0″		8.23968	+ 97	
	18	− 6.30	−0.45	+0.12 s	− 4.1	−35.2	+ 1.8″	8.24065	+ 10	− 87
	19	− 6.75	−0.50	−0.05	− 39.3	−30.5	+ 4.7	8.24075	− 98	−108
	20	− 7.25	−0.67	−0.17	− 69.8	−23.4	+ 7.1	8.23977	−215	−117
	21	− 7.92	−0.90	−0.23	− 93.2	−14.0	+ 9.4	8.23762	−332	−117
	22	− 8.82	−1.09	−0.19	−107.2	− 3.0	+11.0	8.23430	−434	−102
	23	− 9.91	−1.12	−0.03	−110.2	+ 8.6	+11.6	8.22996	−507	− 73
	24	−11.03		+0.26	−101.6		+10.7	8.22489		− 36

Tag	0^h Welt-Zeit								
	$\alpha_{☾} - \alpha_k$			$\delta_{☾} - \delta_k$			log sin p_k		
1934	s	s	s	″	″	″			
Okt. 24	−11.03		+0.26	−101.6		+10.7	8.22489		− 36
		−0.86			+19.3			−543	
25	−11.89		+0.56	− 82.3		+ 8.0	8.21946		+ 4
		−0.30			+27.3			−539	
26	−12.19		+0.76	− 55.0		+ 4.3	8.21407		+ 48
		+0.46			+31.6			−491	
27	−11.73		+0.79	− 23.4		+ 0.3	8.20916		+ 81
		+1.25			+31.9			−410	
28	−10.48		+0.61	+ 8.5		− 2.6	8.20506		+109
		+1.86			+29.3			−301	
29	− 8.62		+0.33	+ 37.8		− 4.5	8.20205		+130
		+2.19			+24.8			−171	
30	− 6.43			+ 62.6			8.20034		
	s	s	s	″	″	″			
Nov. 15	− 7.54			− 40.5			8.23703		
		−0.12			−29.0			−163	
16	− 7.66		−0.13	− 69.5		+ 7.1	8.23540		− 51
		−0.25			−21.9			−214	
17	− 7.91		−0.24	− 91.4		+ 8.4	8.23326		− 51
		−0.49			−13.5			−265	
18	− 8.40		−0.25	−104.9		+ 9.4	8.23061		− 54
		−0.74			− 4.1			−319	
19	− 9.14		−0.18	−109.0		+10.2	8.22742		− 48
		−0.92			+ 6.1			−367	
20	−10.06		+0.06	−102.9		+10.0	8.22375		− 40
		−0.86			+16.1			−407	
21	−10.92		+0.34	− 86.8		+ 8.6	8.21968		− 20
		−0.52			+24.7			−427	
22	−11.44		+0.64	− 62.1		+ 5.7	8.21541		+ 1
		+0.12			+30.4			−426	
23	−11.32		+0.76	− 31.7		+ 2.0	8.21115		+ 28
		+0.88			+32.4			−398	
24	−10.44		+0.69	+ 0.7		− 1.6	8.20717		+ 60
		+1.57			+30.8			−338	
25	− 8.87		+0.47	+ 31.5		− 4.0	8.20379		+ 86
		+2.04			+26.8			−252	
26	− 6.83		+0.22	+ 58.3		− 5.0	8.20127		+111
		+2.26			+21.8			−141	
27	− 4.57		0.00	+ 80.1		− 4.9	8.19986		+128
		+2.26			+16.9			− 13	
28	− 2.31		−0.14	+ 97.0		− 4.2	8.19973		+139
		+2.12			+12.7			+126	
29	− 0.19			+109.7			8.20099		
	s	s	s	″	″	″			
Dez. 15	− 9.31			−112.1			8.22914		
		−0.47			− 3.8			−397	
16	− 9.78		−0.17	−115.9		+ 9.7	8.22517		+ 9
		−0.64			+ 5.9			−388	
17	−10.42		−0.01	−110.0		+ 9.5	8.22129		+ 9
		−0.65			+15.4			−379	
18	−11.07		+0.22	− 94.6		+ 8.4	8.21750		+ 10
		−0.43			+23.8			−369	
19	−11.50		+0.48	− 70.8		+ 5.9	8.21381		+ 16
		+0.05			+29.7			−353	
20	−11.45		+0.67	− 41.1		+ 3.0	8.21028		+ 22
		+0.72			+32.7			−331	
21	−10.73		+0.66	− 8.4		− 0.6	8.20697		+ 34
		+1.38			+32.1			−297	
22	− 9.35		+0.52	+ 23.7		− 3.3	8.20400		+ 49
		+1.90			+28.8			−248	
23	− 7.45		+0.29	+ 52.5		− 4.8	8.20152		+ 66
		+2.19			+24.0			−182	
24	− 5.26		+0.09	+ 76.5		− 5.4	8.19970		+ 88
		+2.28			+18.6			− 94	
25	− 2.98		−0.08	+ 95.1		− 4.8	8.19876		+106
		+2.20			+13.8			+ 12	
26	− 0.78		−0.17	+108.9		− 4.0	8.19888		+119
		+2.03			+ 9.8			+131	
27	+ 1.25		−0.25	+118.7		− 2.9	8.20019		+130
		+1.78			+ 6.9			+261	
28	+ 3.03		−0.32	+125.6		− 1.6	8.20280		+132
		+1.46			+ 5.3			+393	
29	+ 4.49			+130.9			8.20673		

Verfinsterungen: E. Eintritte, A. Austritte (in Welt-Zeit)

TRABANT I

	h m	
Jan. 0	7 12.9	E.
2	1 41.0	E.
3	20 9.2	E.
5	14 37.4	E.
7	9 5.7	E.
9	3 33.9	E.
10	22 2.1	E.
12	16 30.3	E.
14	10 58.5	E.
16	5 26.7	E.
17	23 54.9	E.
19	18 23.1	E.
21	12 51.3	E.
23	7 19.5	E.
25	1 47.8	E.
26	20 16.0	E.
28	14 44.2	E.
30	9 12.4	E.
Febr. 1	3 40.6	E.
2	22 8.8	E.
4	16 37.0	E.
6	11 5.2	E.
8	5 33.4	E.
10	0 1.6	E.
11	18 29.8	E.
13	12 58.1	E.
15	7 26.3	E.
17	1 54.5	E.
18	20 22.7	E.
20	14 51.0	E.
22	9 19.2	E.
24	3 47.5	E.
25	22 15.7	E.
27	16 44.0	E.
März 1	11 12.3	E.
3	5 40.5	E.
5	0 8.8	E.
6	18 37.1	E.
8	13 5.4	E.
10	7 33.7	E.
12	2 2.0	E.
13	20 30.3	E.
15	14 58.6	E.
17	9 26.9	E.
19	3 55.2	E.
20	22 23.6	E.
22	16 51.9	E.

TRABANT I

	h m	
März 24	11 20.3	E.
26	5 48.7	E.
28	0 17.0	E.
29	18 45.4	E.
31	13 13.8	E.
April 2	7 42.2	E.
4	2 10.6	E.
5	20 39.0	E.
7	15 7.4	E.
9	11 47.3	A.
11	6 15.8	A.
13	0 44.2	A.
14	19 12.7	A.
16	13 41.1	A.
18	8 9.6	A.
20	2 38.1	A.
21	21 6.6	A.
23	15 35.1	A.
25	10 3.6	A.
27	4 32.1	A.
28	23 0.6	A.
30	17 29.2	A.
Mai 2	11 57.8	A.
4	6 26.3	A.
6	0 54.9	A.
7	19 23.4	A.
9	13 52.0	A.
11	8 20.6	A.
13	2 49.2	A.
14	21 17.8	A.
16	15 46.4	A.
18	10 15.0	A.
20	4 43.7	A.
21	23 12.3	A.
23	17 41.0	A.
25	12 9.6	A.
27	6 38.3	A.
29	1 6.9	A.
30	19 35.6	A.
Juni 1	14 4.3	A.
3	8 33.0	A.
5	3 1.6	A.
6	21 30.4	A.
8	15 59.1	A.
10	10 27.8	A.
12	4 56.4	A.
13	23 25.2	A.

TRABANT I

	h m	
Juni 15	17 53.9	A.
17	12 22.7	A.
19	6 51.3	A.
21	1 20.1	A.
22	19 48.8	A.
24	14 17.6	A.
26	8 46.3	A.
28	3 15.1	A.
29	21 43.8	A.
Juli 1	16 12.6	A.
3	10 41.3	A.
5	5 10.1	A.
6	23 38.8	A.
8	18 7.6	A.
10	12 36.4	A.
12	7 5.2	A.
14	1 33.9	A.
15	20 2.7	A.
17	14 31.4	A.
19	9 0.3	A.
21	3 29.0	A.
22	21 57.8	A.
24	16 26.5	A.
26	10 55.3	A.
28	5 24.1	A.
29	23 52.9	A.
31	18 21.6	A.
Aug. 2	12 50.4	A.
4	7 19.2	A.
6	1 48.0	A.
7	20 16.7	A.
9	14 45.5	A.
11	9 14.3	A.
13	3 43.1	A.
14	22 11.8	A.
16	16 40.6	A.
18	11 9.3	A.
20	5 38.1	A.
22	0 6.8	A.
23	18 35.6	A.
25	13 4.3	A.
27	7 33.1	A.
29	2 1.8	A.
30	20 30.6	A.
Sept. 1	14 59.3	A.
3	9 28.1	A.
5	3 56.8	A.

TRABANT I

	h m	
Sept. 6	22 25.5	A.
8	16 54.2	A.
10	11 23.0	A.
12	5 51.7	A.
Nov. 13	2 22.8	E.
14	20 51.3	E.
16	15 19.9	E.
18	9 48.3	E.
20	4 16.9	E.
21	22 45.3	E.
23	17 13.9	E.
25	11 42.3	E.
27	6 10.9	E.
29	0 39.3	E.
30	19 7.8	E.
Dez. 2	13 36.2	E.
4	8 4.7	E.
6	2 33.1	E.
7	21 1.6	E.
9	15 30.0	E.
11	9 58.5	E.
13	4 26.8	E.
14	22 55.3	E.
16	17 23.7	E.
18	11 52.1	E.
20	6 20.5	E.
22	0 48.9	E.
23	19 17.2	E.
25	13 45.7	E.
27	8 14.0	E.
29	2 42.4	E.
30	21 10.7	E.
32	15 39.1	E.

TRABANT II

	h m	
Jan. 1	20 23.5	E.
5	9 40.8	E.
5	12 11.1	A.
8	22 58.9	E.
9	1 29.1	A.
12	12 16.3	E.
12	14 46.4	A.
16	1 34.4	E.
16	4 4.5	A.
19	14 51.8	E.
19	17 21.7	A.

Verfinsterungen: E. Eintritte, A. Austritte (in Welt-Zeit)

TRABANT II

	h	m	
Jan. 23	4	10.1	E.
23	6	39.8	A.
26	17	27.4	E.
26	19	57.0	A.
30	6	45.7	E.
Febr. 2	20	3.1	E.
6	9	21.5	E.
9	22	39.0	E.
13	11	57.4	E.
17	1	14.9	E.
20	14	33.3	E.
24	3	50.8	E.
27	17	9.2	E.
März 3	6	26.9	E.
6	19	45.4	E.
10	9	3.0	E.
13	22	21.7	E.
17	11	39.2	E.
21	0	57.8	E.
24	14	15.5	E.
28	3	34.1	E.
31	16	51.8	E.
April 4	6	10.4	E.
7	19	28.2	E.
7	21	55.8	A.
11	11	14.3	A.
15	0	32.0	A.
18	13	50.5	A.
22	3	8.2	A.
25	16	26.6	A.
29	5	44.4	A.
Mai 2	19	2.8	A.
6	8	20.6	A.
9	21	38.9	A.
13	10	56.8	A.
17	0	15.1	A.
20	13	32.9	A.
24	2	51.1	A.
27	16	9.0	A.
31	5	27.1	A.
Juni 3	18	44.9	A.
7	8	3.0	A.
10	21	20.8	A.
14	10	38.8	A.
17	23	56.5	A.
21	10	49.1	E.
21	13	14.5	A.

TRABANT II

	h	m	
Juni 25	0	6.9	E.
25	2	32.2	A.
28	13	24.9	E.
28	15	50.0	A.
Juli 2	2	42.6	E.
2	5	7.7	A.
5	16	0.5	E.
5	18	25.4	A.
9	5	18.2	E.
9	7	43.1	A.
12	18	36.0	E.
12	21	0.7	A.
16	7	53.6	E.
16	10	18.3	A.
19	21	11.2	E.
19	23	35.8	A.
23	12	53.4	A.
27	2	10.9	A.
30	15	28.3	A.
Aug. 3	4	45.7	A.
6	18	3.1	A.
10	7	20.4	A.
13	20	37.8	A.
17	9	55.0	A.
20	23	12.2	A.
24	12	29.4	A.
28	1	46.6	A.
31	15	3.7	A.
Sept. 4	4	20.8	A.
7	17	37.9	A.
11	6	54.9	A.
Nov. 14	3	34.9	E.
17	16	51.7	E.
21	6	8.4	E.
24	19	25.2	E.
28	8	42.0	E.
Dez. 1	21	58.8	E.
5	11	15.6	E.
9	0	32.4	E.
12	13	49.2	E.
16	3	6.0	E.
19	16	22.9	E.
23	5	39.7	E.
26	18	56.6	E.
30	8	13.4	E.

TRABANT III

	h	m	
Jan. 3	5	31.9	E.
3	8	4.0	A.
10	9	29.6	E.
10	12	0.8	A.
17	13	27.2	E.
17	15	57.3	A.
24	17	25.3	E.
24	19	54.4	A.
31	21	22.7	E.
31	23	50.8	A.
Febr. 8	1	19.9	E.
8	3	47.0	A.
15	5	17.0	E.
15	7	43.1	A.
22	9	14.2	E.
22	11	39.4	A.
März 1	13	12.2	E.
1	15	36.4	A.
8	17	10.0	E.
8	19	33.3	A.
15	21	8.5	E.
15	23	30.8	A.
23	1	6.5	E.
30	5	4.3	E.
April 6	9	2.1	E.
13	15	18.7	A.
20	19	16.7	A.
27	23	14.5	A.
Mai 5	0	57.3	E.
5	3	13.0	A.
12	4	56.2	E.
12	7	11.0	A.
19	8	55.0	E.
19	11	8.9	A.
26	12	53.7	E.
26	15	6.8	A.
Juni 2	16	52.6	E.
2	19	4.8	A.
9	20	52.3	E.
9	23	3.7	A.
17	0	51.8	E.
17	3	2.4	A.
24	4	51.8	E.
24	7	1.5	A.
Juli 1	8	51.2	E.
1	11	0.0	A.

TRABANT III

	h	m	
Juli 8	12	50.4	E.
8	14	58.4	A.
15	16	49.5	E.
15	18	56.8	A.
22	20	48.7	E.
22	22	55.2	A.
30	0	48.6	E.
30	2	54.3	A.
Aug. 6	4	48.2	E.
6	6	53.1	A.
13	8	48.2	E.
13	10	52.4	A.
20	12	47.3	E.
20	14	51.0	A.
27	16	46.5	E.
27	18	49.3	A.
Sept. 3	20	45.5	E.
3	22	47.6	A.
11	0	44.4	E.
11	2	45.9	A.
Nov. 14	12	34.2	E.
21	16	33.0	E.
28	20	31.0	E.
28	22	26.8	A.
Dez. 6	0	28.7	E.
6	2	24.2	A.
13	4	26.3	E.
13	6	21.4	A.
20	8	23.8	E.
20	10	18.7	A.
27	12	22.1	E.
27	14	16.6	A.

TRABANT IV

wird nicht verfinstert.

0h Welt-Zeit	α	β	p_α	a	b	U′	B′	P′
1934	"	"	"	"	"	°	°	°
Jan. 1	15.61	14.12	+0.01	35.17	+9.82	152.564	+14.953	+24.705
9	15.51	14.03	0.01	34.94	9.55	152.802	14.858	24.761
17	15.44	13.95	+0.01	34.77	9.29	153.040	14.762	24.817
25	15.39	13.90	0.00	34.65	9.03	153.278	14.666	24.873
Febr. 2	15.36	13.86	0.00	34.58	8.79	153.516	14.570	24.929
10	15.35	13.85	0.00	34.57	+8.55	153.754	+14.474	+24.984
18	15.37	13.86	0.00	34.61	8.33	153.991	14.377	25.038
26	15.41	13.89	0.00	34.70	8.12	154.229	14.280	25.092
März 6	15.48	13.94	—0.01	34.85	7.92	154.466	14.183	25.146
14	15.56	14.02	0.01	35.04	7.74	154.703	14.086	25.199
22	15.67	14.11	0.01	35.28	+7.58	154.940	+13.988	+25.251
30	15.79	14.22	—0.02	35.57	7.44	155.177	13.890	25.303
April 7	15.94	14.35	0.02	35.92	7.32	155.414	13.792	25.355
15	16.11	14.50	0.03	36.29	7.22	155.651	13.694	25.407
23	16.30	14.67	0.03	36.71	7.15	155.887	13.595	25.457
Mai 1	16.50	14.85	—0.04	37.16	+7.10	156.124	+13.496	+25.507
9	16.72	15.04	0.04	37.65	7.08	156.361	13.396	25.557
17	16.94	15.24	0.05	38.15	7.09	156.597	13.297	25.607
25	17.17	15.45	0.04	38.67	7.13	156.834	13.197	25.655
Juni 2	17.41	15.66	0.04	39.21	7.20	157.070	13.097	25.703
10	17.64	15.87	—0.04	39.73	+7.31	157.306	+12.997	+25.751
18	17.87	16.08	0.04	40.25	7.44	157.542	12.897	25.799
26	18.09	16.28	0.03	40.74	7.60	157.778	12.796	25.846
Juli 4	18.29	16.46	0.03	41.21	7.78	158.013	12.695	25.892
12	18.47	16.62	0.02	41.62	7.99	158.249	12.594	25.938
20	18.63	16.77	0.01	41.97	+8.21	158.484	+12.492	+25.984
28	18.75	16.88	—0.01	42.25	8.44	158.720	12.390	26.030
Aug. 5	18.84	16.97	0.00	42.44	8.67	158.955	12.288	26.074
13	18.89	17.02	0.00	42.55	8.89	159.190	12.186	26.118
21	18.90	17.03	0.00	42.57	9.10	159.426	12.083	26.162
29	18.87	17.00	0.00	42.49	+9.27	159.661	+11.980	+26.206
Sept. 6	18.80	16.94	0.00	42.33	9.42	159.896	11.877	26.248
14	18.69	16.85	+0.01	42.08	9.53	160.131	11.774	26.290
22	18.54	16.72	0.02	41.76	9.60	160.366	11.670	26.332
30	18.37	16.57	0.02	41.37	9.61	160.601	11.567	26.374
Okt. 8	18.17	16.39	+0.03	40.92	+9.60	160.836	+11.463	+26.414
16	17.95	16.19	0.03	40.43	9.53	161.071	11.359	26.454
24	17.72	15.99	0.04	39.92	9.44	161.305	11.255	26.494
Nov. 1	17.49	15.78	0.04	39.39	9.31	161.540	11.150	26.534
9	17.25	15.56	0.04	38.86	9.14	161.774	11.045	26.573
17	17.02	15.35	+0.04	38.34	+8.94	162.009	+10.940	+26.611
25	16.79	15.14	0.04	37.82	8.72	162.243	10.835	26.649
Dez. 3	16.58	14.94	0.04	37.33	8.48	162.477	10.729	26.687
11	16.38	14.76	0.03	36.88	8.23	162.711	10.624	26.724
19	16.20	14.59	0.03	36.47	7.97	162.945	10.518	26.760
27	16.03	14.44	0.02	36.09	7.69	163.179	10.412	26.796
35	15.88	14.30	+0.02	35.76	+7.41	163.413	+10.305	+26.832

Saturn und Saturnsring 1934

0h Welt-Zeit	U	Δ	B	Δ	P	Δ	0h Welt-Zeit	U	Δ	B	Δ	P	Δ
1934							1934						
Jan. 1	191°.377	410	+16°.214	173	+6°.966	15	Juli 4	203°.876	149	+10°.888	86	+6°.372	9
5	191.787	418	16.041	179	6.951	16	8	203.727	169	10.974	96	6.381	10
9	192.205	426	15.862	183	6.935	16	12	203.558	187	11.070	104	6.391	12
13	192.631	436	15.679	187	6.919	17	16	203.371	204	11.174	111	6.403	12
17	193.067	440	15.492	190	6.902	18	20	203.167	220	11.285	118	6.415	13
21	193.507	445	+15.302	193	+6.884	18	24	202.947	233	+11.403	124	+6.428	14
25	193.952	448	15.109	195	6.866	18	28	202.714	246	11.527	129	6.442	14
29	194.400	451	14.914	197	6.848	20	Aug. 1	202.468	255	11.656	133	6.456	15
Febr. 2	194.851	453	14.717	198	6.828	20	5	202.213	264	11.789	135	6.471	15
6	195.304	452	14.519	200	6.808	20	9	201.949	270	11.924	138	6.486	16
10	195.756	451	+14.319	199	+6.788	20	13	201.679	273	+12.062	138	+6.502	16
14	196.207	449	14.120	199	6.768	21	17	201.406	275	12.200	137	6.518	15
18	196.656	445	13.921	198	6.747	21	21	201.131	274	12.337	136	6.533	15
22	197.101	441	13.723	197	6.726	21	25	200.857	271	12.473	133	6.548	15
26	197.542	435	13.526	194	6.705	21	29	200.586	266	12.606	129	6.563	14
März 2	197.977	429	+13.332	193	+6.684	21	Sept. 2	200.320	258	+12.735	124	+6.577	14
6	198.406	422	13.139	189	6.663	21	6	200.062	248	12.859	118	6.591	14
10	198.828	412	12.950	186	6.642	21	10	199.814	237	12.977	112	6.605	12
14	199.240	403	12.764	182	6.621	21	14	199.577	222	13.089	104	6.617	12
18	199.643	393	12.582	177	6.600	20	18	199.355	207	13.193	96	6.629	10
22	200.036	381	+12.405	172	+6.580	20	22	199.148	189	+13.289	86	+6.639	10
26	200.417	368	12.233	166	6.560	19	26	198.959	170	13.375	77	6.649	8
30	200.785	355	12.067	160	6.541	19	30	198.789	149	13.452	68	6.657	8
April 3	201.140	340	11.907	152	6.522	19	Okt. 4	198.640	128	13.520	55	6.665	6
7	201.480	325	11.755	146	6.503	18	8	198.512	105	13.575	44	6.671	5
11	201.805	308	+11.609	137	+6.485	17	12	198.407	82	+13.619	34	+6.676	4
15	202.113	291	11.472	130	6.468	16	16	198.325	57	13.653	22	6.680	2
19	202.404	273	11.342	120	6.452	15	20	198.268	32	13.675	9	6.682	2
23	202.677	254	11.222	112	6.437	14	24	198.236	7	13.684	3	6.684	0
27	202.931	235	11.110	101	6.423	14	28	198.229	19	13.681	14	6.684	1
Mai 1	203.166	215	+11.009	92	+6.409	12	Nov. 1	198.248	44	+13.667	26	+6.683	3
5	203.381	194	10.917	81	6.397	12	5	198.292	70	13.641	39	6.680	4
9	203.575	172	10.836	72	6.385	10	9	198.362	94	13.602	51	6.676	5
13	203.747	150	10.764	59	6.375	8	13	198.456	120	13.551	61	6.671	6
17	203.897	127	10.705	49	6.367	7	17	198.576	144	13.490	73	6.665	8
21	204.024	104	+10.656	37	+6.360	6	21	198.720	167	+13.417	84	+6.657	8
25	204.128	80	10.619	25	6.354	4	25	198.887	191	13.333	95	6.649	10
29	204.208	58	10.594	14	6.350	4	29	199.078	213	13.238	106	6.639	11
Juni 2	204.266	33	10.580	3	6.346	2	Dez. 3	199.291	235	13.132	115	6.628	12
6	204.299	10	10.577	11	6.344	0	7	199.526	256	13.017	126	6.616	14
10	204.309	14	+10.588	22	+6.344	2	11	199.782	275	+12.891	134	+6.602	15
14	204.295	38	10.610	34	6.346	2	15	200.057	294	12.757	144	6.587	16
18	204.257	62	10.644	45	6.348	4	19	200.351	311	12.613	152	6.571	17
22	204.195	84	10.689	56	6.352	6	23	200.662	328	12.461	160	6.554	18
26	204.111	107	10.745	67	6.358	6	27	200.990	343	12.301	168	6.536	19
30	204.004	128	10.812	76	6.364	8	31	201.333	357	12.133	174	6.517	20
Juli 4	203.876		+10.888		+6.372		35	201.690		+11.959		+6.497	

0h Welt-Zeit	L	M	$\frac{a(\Delta)}{\Delta}\sin B$	L	M	$\frac{a(\Delta)}{\Delta}\sin B$	L	M	$\frac{a(\Delta)}{\Delta}\sin B$
	MIMAS			ENCELADUS			TETHYS		
1934									
Mai 1	182°.866	294°.60	+ 4″.84	325°.957	340°.0	+ 6″.20	174°.400		+ 7″.68
17	174.604	270.33	4.83	209.685	218.3	6.20	345.573		7.67
Juni 2	166.341	246.07	4.91	93.414	96.7	6.29	156.746		7.79
18	158.078	221.81	5.07	337.142	335.0	6.50	327.919		8.05
Juli 4	149.815	197.54	5.30	220.871	213.3	6.80	139.092		8.42
20	141.552	173.28	+ 5.60	104.600	91.6	+ 7.18	310.265		+ 8.89
Aug. 5	133.289	149.02	5.91	348.329	330.0	7.58	121.439		9.38
21	125.025	124.75	6.20	232.058	208.3	7.95	292.612		9.84
Sept. 6	116.761	100.49	6.42	115.787	86.6	8.24	103.785		10.20
22	108.497	76.23	6.54	359.515	324.9	8.39	274.958		10.39
Okt. 8	100.233	51.96	+ 6.55	243.243	203.3	+ 8.40	86.131		+10.40
24	91.968	27.70	6.44	126.971	81.6	8.26	257.304		10.22
Nov. 9	83.704	3.44	6.23	10.698	319.9	7.99	68.477		9.89
25	75.439	339.17	5.94	254.425	198.2	7.63	239.651		9.44
Dez. 11	67.174	314.90	5.61	138.151	76.5	7.19	50.824		8.91
27	58.909	290.63	+ 5.24	21.877	314.9	+ 6.72	221.997		+ 8.32

0h Welt-Zeit	L	M	$\frac{a(\Delta)}{\Delta}\sin B$	L	M	$\frac{a(\Delta)}{\Delta}\sin B$	L	M	$\frac{a(\Delta)}{\Delta}\sin B$
	DIONE			RHEA			TITAN		
1934									
Mai 1	156°.003	160°.2	+ 9″.84	168°.844	349°.7	+13″.74	268°.49	94°.0	+31″.84
17	100.558	103.4	9.82	3.883	184.8	13.72	269.70	95.2	31.80
Juni 2	45.114	46.6	9.98	198.923	20.0	13.93	270.93	96.4	32.30
18	349.669	349.8	10.31	33.962	215.1	14.39	272.16	97.6	33.36
Juli 4	294.224	293.0	10.79	229.001	50.3	15.07	273.39	98.9	34.93
20	238.780	236.2	+11.38	64.041	245.4	+15.90	274.62	100.1	+36.85
Aug. 5	183.335	179.4	12.02	259.081	80.5	16.79	275.85	101.3	38.91
21	127.891	122.6	12.61	94.120	275.7	17.61	277.08	102.5	40.82
Sept. 6	72.446	65.8	13.06	289.160	110.8	18.24	278.31	103.7	42.28
22	17.001	9.0	13.31	124.199	306.0	18.58	279.54	104.9	43.07
Okt. 8	321.557	312.2	+13.31	319.239	141.1	+18.59	280.78	106.1	+43.10
24	266.113	255.4	13.09	154.278	336.2	18.28	282.01	107.3	42.38
Nov. 9	210.668	198.6	12.67	349.317	171.4	17.69	283.24	108.5	41.01
25	155.223	141.8	12.09	184.357	6.5	16.88	284.47	109.7	39.14
Dez. 11	99.779	85.0	11.41	19.396	201.6	15.93	285.70	110.9	36.93
27	44.335	28.2	+10.66	214.436	36.8	+14.89	286.93	112.2	+34.51

Saturnstrabanten 1934

Bewegung der mittleren Länge L und der mittleren Anomalie M

Zeit	Mimas		Enceladus		Tethys	Dione		Rhea		Titan	
	L	M	L	M	L	L	M	L	M	L	M
d	°	°	°	°	°	°	°	°	°	°	°
1	21.9835	20.984	262.7330	262.39	190.6983	131.5347	131.45	79.6900	79.70	22.580	22.58
2	43.9670	41.968	165.4660	164.79	21.3966	263.0694	262.90	159.3800	159.40	45.160	45.15
3	65.9505	62.951	68.1990	67.18	212.0949	34.6041	34.35	239.0700	239.10	67.740	67.72
4	87.9340	83.935	330.9320	329.58	42.7932	166.1388	165.80	318.7600	318.80	90.320	90.30
5	109.9175	104.919	233.6650	231.97	233.4916	297.6734	297.25	38.4500	38.50	112.900	112.88
6	131.9010	125.902	136.3980	134.36	64.1899	69.2081	68.70	118.1400	118.20	135.480	135.45
7	153.8845	146.886	39.1310	36.76	254.8882	200.7428	200.15	197.8300	197.90	158.060	158.02
8	175.8680	167.870	301.8640	299.15	85.5865	332.2775	331.60	277.5200	277.60	180.640	180.60
9	197.8515	188.854	204.5970	201.54	276.2848	103.8122	103.05	357.2100	357.30	203.220	203.18
10	219.8350	209.838	107.3300	103.94	106.9831	235.3469	234.50	76.9000	77.00	225.800	225.75
11	241.8185	230.821	10.0630	6.33	297.6814	6.8816	5.95	156.5900	156.70	248.380	248.32
12	263.8020	251.805	272.7960	268.72	128.3798	138.4162	137.40	236.2800	236.40	270.960	270.90
13	285.7855	272.789	175.5290	171.12	319.0781	269.9509	268.85	315.9700	316.10	293.540	293.48
14	307.7690	293.772	78.2620	73.51	149.7764	41.4856	40.30	35.6600	35.80	316.120	316.05
15	329.7525	314.756	340.9950	335.91	340.4747	173.0203	171.75	115.3500	115.50	338.700	338.62
16	351.7360	335.740	243.7280	238.30	171.1730	304.5550	303.20	195.0400	195.20	361.280	361.20
d	°	°	°	°	°	°	°	°	°	°	°
0.1	38.1984	38.098	26.2733	26.24	19.0698	13.1535	13.14	7.9690	7.97	2.258	2.26
0.2	76.3967	76.197	52.5466	52.48	38.1397	26.3069	26.29	15.9380	15.94	4.516	4.52
0.3	114.5950	114.295	78.8199	78.72	57.2095	39.4604	39.44	23.9070	23.91	6.774	6.77
0.4	152.7934	152.394	105.0932	104.96	76.2793	52.6139	52.58	31.8760	31.88	9.032	9.03
0.5	190.9918	190.492	131.3665	131.20	95.3492	65.7673	65.72	39.8450	39.85	11.290	11.29
0.6	229.1901	228.590	157.6398	157.44	114.4190	78.9208	78.87	47.8140	47.82	13.548	13.54
0.7	267.3884	266.689	183.9131	183.68	133.4888	92.0743	92.02	55.7830	55.79	15.806	15.80
0.8	305.5868	304.787	210.1864	209.92	152.5586	105.2278	105.16	63.7520	63.76	18.064	18.06
0.9	343.7852	342.885	236.4597	236.15	171.6285	118.3812	118.30	71.7210	71.73	20.322	20.32
1.0	381.9835	380.984	262.7330	262.39	190.6983	131.5347	131.45	79.6900	79.70	22.580	22.58
d	°	°	°	°	°	°	°	°	°	°	°
0.01	3.8198	3.810	2.6273	2.62	1.9070	1.3153	1.31	0.7969	0.80	0.226	0.23
0.02	7.6397	7.620	5.2547	5.25	3.8140	2.6307	2.63	1.5938	1.59	0.452	0.45
0.03	11.4595	11.430	7.8820	7.87	5.7209	3.9460	3.94	2.3907	2.39	0.677	0.68
0.04	15.2793	15.239	10.5093	10.50	7.6279	5.2614	5.26	3.1876	3.19	0.903	0.90
0.05	19.0992	19.049	13.1366	13.12	9.5349	6.5767	6.57	3.9845	3.98	1.129	1.13
0.06	22.9190	22.859	15.7640	15.74	11.4419	7.8921	7.89	4.7814	4.78	1.355	1.35
0.07	26.7388	26.669	18.3913	18.37	13.3489	9.2074	9.20	5.5783	5.58	1.581	1.58
0.08	30.5587	30.479	21.0186	20.99	15.2559	10.5228	10.52	6.3752	6.38	1.806	1.81
0.09	34.3785	34.289	23.6460	23.62	17.1628	11.8381	11.83	7.1721	7.17	2.032	2.03
0.10	38.1984	38.098	26.2733	26.24	19.0698	13.1535	13.14	7.9690	7.97	2.258	2.26
d	°	°	°	°	°	°	°	°	°	°	°
0.001	0.3820	0.381	0.2627	0.26	0.1907	0.1315	0.13	0.0797	0.08	0.023	0.02
0.002	0.7640	0.762	0.5255	0.52	0.3814	0.2631	0.26	0.1594	0.16	0.045	0.05
0.003	1.1460	1.143	0.7882	0.79	0.5721	0.3946	0.39	0.2391	0.24	0.068	0.07
0.004	1.5279	1.524	1.0509	1.05	0.7628	0.5261	0.53	0.3188	0.32	0.090	0.09
0.005	1.9099	1.905	1.3137	1.31	0.9535	0.6577	0.66	0.3984	0.40	0.113	0.11
0.006	2.2919	2.286	1.5764	1.57	1.1442	0.7892	0.79	0.4781	0.48	0.135	0.14
0.007	2.6739	2.667	1.8391	1.84	1.3349	0.9207	0.92	0.5578	0.56	0.158	0.16
0.008	3.0559	3.048	2.1019	2.10	1.5256	1.0523	1.05	0.6375	0.64	0.181	0.18
0.009	3.4379	3.429	2.3646	2.36	1.7163	1.1838	1.18	0.7172	0.72	0.203	0.20
0.010	3.8198	3.810	2.6273	2.62	1.9070	1.3153	1.31	0.7969	0.80	0.226	0.23

0h Welt-Zeit		ϑ Mimas	ϑ Encel.	ϑ Tethys	ϑ Dione	ϑ Rhea	γ Rhea	N Saturnsring	J Saturnsring	ω Saturnsring
1934		°	°	°	°	°	′	°	°	°
Jan.	−7	148.3	211.2	341.0	202.7	288.2	21.31	127.790	6.778	41.904
	+9	132.3	204.5	337.8	201.4	287.8	21.33	127.792	6.778	41.903
	25	116.3	197.8	334.6	200.0	287.4	21.34	127.794	6.778	41.902
Febr.	10	100.3	191.0	331.5	198.6	286.9	21.36	127.796	6.778	41.900
	26	84.3	184.3	328.3	197.3	286.5	21.37	127.798	6.778	41.899
März	14	68.3	177.7	325.1	195.9	286.1	21.38	127.800	6.777	41.898
	30	52.3	171.0	321.9	194.6	285.7	21.40	127.801	6.777	41.897
April	15	36.3	164.3	318.7	193.2	285.2	21.41	127.803	6.777	41.895
Mai	1	20.3	157.6	315.6	191.8	284.8	21.42	127.805	6.777	41.894
	17	4.3	150.9	312.4	190.5	284.4	21.44	127.807	6.777	41.893
Juni	2	348.2	144.3	309.2	189.1	284.0	21.45	127.809	6.777	41.892
	18	332.2	137.6	306.0	187.8	283.5	21.46	127.810	6.776	41.890
Juli	4	316.2	130.8	302.8	186.4	283.1	21.48	127.812	6.776	41.889
	20	300.2	124.2	299.7	185.0	282.7	21.49	127.814	6.776	41.888
Aug.	5	284.2	117.5	296.5	183.7	282.2	21.50	127.816	6.776	41.887
	21	268.2	110.8	293.3	182.3	281.8	21.51	127.818	6.776	41.885
Sept.	6	252.2	104.1	290.1	181.0	281.4	21.53	127.820	6.775	41.884
	22	236.2	97.4	287.0	179.6	281.0	21.54	127.821	6.775	41.883
Okt.	8	220.2	90.8	283.8	178.2	280.5	21.55	127.823	6.775	41.882
	24	204.2	84.1	280.6	176.9	280.1	21.57	127.825	6.775	41.880
Nov.	9	188.2	77.4	277.4	175.5	279.7	21.58	127.827	6.775	41.879
	25	172.2	70.7	274.3	174.2	279.3	21.59	127.829	6.774	41.878
Dez.	11	156.2	64.0	271.1	172.8	278.8	21.61	127.830	6.774	41.876
	27	140.2	57.3	267.9	171.4	278.4	21.62	127.832	6.774	41.875
	43	124.2	50.6	264.7	170.1	278.0	21.63	127.834	6.774	41.874

$\log \frac{1}{1+\zeta}$, in Einheiten der 5. Dezimale

u − U		Mimas	Encel.	Tethys	Dione	Rhea	u − U	
0°	360°	−6+	−7+	−9+	−11+	−16+	180°	180°
10	350	−6+	−7+	−9+	−11+	−16+	170	190
20	340	−5+	−7+	−8+	−11+	−15+	160	200
30	330	−5+	−6+	−8+	−10+	−14+	150	210
40	320	−4+	−6+	−7+	− 9+	−12+	140	220
50	310	−3+	−5+	−6+	− 8+	−10+	130	230
60	300	−3+	−4+	−4+	− 6+	− 8+	120	240
70	290	−2+	−3+	−3+	− 4+	− 6+	110	250
80	280	−1+	−1+	−2+	− 2+	− 3+	100	260
90	270	0	0	0	0	0	90	270

0h Welt-Zeit	HYPERION							JAPETUS						
	U	Δ	Δ²	B	Δ	P	Δ	U	Δ	Δ²	B	Δ	P	Δ
1934	°			°		°		°			°		°	
Jan. 1	188.308	833		+16.601	349	+6.783	24	266.291	831		+2.957	266	+0.973	219
9	189.141	866	33	16.252	367	6.759	27	267.122	868	37	2.691	277	0.754	228
17	190.007	889	23	15.885	381	6.732	29	267.990	894	26	2.414	284	0.526	234
25	190.896	904	15	15.504	390	6.703	30	268.884	911	17	2.130	289	0.292	238
Febr. 2	191.800	909	5	15.114	396	6.673	33	269.795	918	7	1.841	290	+0.054	240
10	192.709	904	5	+14.718	396	+6.640	34	270.713	917	1	+1.551	289	−0.186	238
18	193.613	890	14	14.322	393	6.606	35	271.630	907	10	1.262	283	0.424	235
26	194.503	868	22	13.929	386	6.571	35	272.537	886	21	0.979	274	0.659	229
März 6	195.371	838	30	13.543	374	6.536	35	273.423	857	29	0.705	263	0.888	221
14	196.209	800	38	13.169	357	6.501	35	274.280	820	37	0.442	250	1.109	210
22	197.009	752	48	+12.812	336	+6.466	33	275.100	773	47	+0.192	233	−1.319	198
30	197.761	698	54	12.476	312	6.433	32	275.873	719	54	−0.041	214	1.517	183
April 7	198.459	636	62	12.164	283	6.401	30	276.592	656	63	0.255	191	1.700	167
15	199.095	567	69	11.881	249	6.371	27	277.248	585	71	0.446	167	1.867	148
23	199.662	492	75	11.632	213	6.344	23	277.833	508	77	0.613	140	2.015	128
Mai 1	200.154	410	82	+11.419	173	+6.321	20	278.341	424	84	−0.753	112	−2.143	107
9	200.564	324	86	11.246	130	6.301	16	278.765	334	90	0.865	81	2.250	84
17	200.888	234	90	11.116	86	6.285	11	279.099	239	95	0.946	50	2.334	61
25	201.122	140	94	11.030	39	6.274	6	279.338	142	97	0.996	18	2.395	36
Juni 2	201.262	44	96	10.991	8	6.268	1	279.480	42	100	1.014	14	2.431	11
10	201.306	51	95	+10.999	55	+6.267	3	279.522	58	100	−1.000	47	−2.442	14
18	201.255	144	93	11.054	100	6.270	9	279.464	155	97	0.953	78	2.428	39
26	201.111	234	90	11.154	143	6.279	14	279.309	248	93	0.875	106	2.389	62
Juli 4	200.877	317	83	11.297	181	6.293	17	279.061	334	86	0.769	133	2.327	84
12	200.560	391	74	11.478	215	6.310	21	278.727	410	76	0.636	155	2.243	103
20	200.169	453	62	+11.693	241	+6.331	24	278.317	474	64	−0.481	174	−2.140	119
28	199.716	501	48	11.934	261	6.355	26	277.843	522	48	0.307	187	2.021	132
Aug. 5	199.215	533	32	12.195	272	6.381	27	277.321	554	32	−0.120	194	1.889	141
13	198.682	548	15	12.467	274	6.408	27	276.767	568	14	+0.074	196	1.748	145
21	198.134	545	3	12.741	267	6.435	27	276.199	563	5	0.270	191	1.603	144
29	197.589	524	21	+13.008	252	+6.462	25	275.636	540	23	+0.461	180	−1.459	138
Sept. 6	197.065	484	40	13.260	229	6.487	22	275.096	498	42	0.641	163	1.321	127
14	196.581	428	56	13.489	198	6.509	19	274.598	439	59	0.804	141	1.194	113
22	196.153	359	69	13.687	162	6.528	16	274.159	366	73	0.945	115	1.081	95
30	195.794	277	82	13.849	122	6.544	13	273.793	282	84	1.060	86	0.986	73
Okt. 8	195.517	185	92	+13.971	78	+6.557	8	273.511	189	93	+1.146	53	−0.913	48
16	195.332	88	97	14.049	30	6.565	4	273.322	88	101	1.199	19	0.865	23
24	195.244	13	101	14.079	18	6.569	1	273.234	15	103	1.218	16	0.842	3
Nov. 1	195.257	116	103	14.061	65	6.568	5	273.249	119	104	1.202	50	0.845	31
9	195.373	216	100	13.996	111	6.563	9	273.368	223	104	1.152	83	0.876	58
17	195.589	314	98	+13.885	157	+6.554	14	273.591	324	101	+1.069	116	−0.934	83
25	195.903	407	93	13.728	200	6.540	17	273.915	418	94	0.953	146	1.017	108
Dez. 3	196.310	493	86	13.528	241	6.523	22	274.333	507	89	0.807	174	1.125	130
11	196.803	572	79	13.287	277	6.501	27	274.840	590	83	0.633	199	1.255	151
19	197.375	642	70	13.010	311	6.474	30	275.430	663	73	0.434	222	1.406	170
27	198.017	704	62	12.699	342	6.444	33	276.093	729	66	+0.212	241	1.576	186
35	198.721			+12.357		+6.411		276.822			−0.029		−1.762	

0h Welt-Zeit	HYPERION $\alpha_{tr}-\alpha_{pl}$ (s)		HYPERION $\delta_{tr}-\delta_{pl}$ (")	
1934				
Mai 5	+ 4.4	+6.3	+35	−22
7	+10.7	+3.2	+13	−26
9	+13.9	−1.3	−13	−21
11	+12.6	−5.8	−34	− 8
13	+ 6.8	−8.6	−42	+ 9
15	− 1.8	−7.9	−33	+23
17	− 9.7	−4.0	−10	+28
19	−13.7	+0.9	+18	+22
21	−12.8	+5.0	+40	+ 9
23	− 7.8	+7.4	+49	− 5
25	− 0.4	+7.6	+44	−16
27	+ 7.2	+5.5	+28	−25
29	+12.7	+1.7	+ 3	−25
31	+14.4	−3.2	−22	−18
Juni 2	+11.2	−7.5	−40	− 2
4	+ 3.7	−9.1	−42	+16
6	− 5.4	−6.9	−26	+27
8	−12.3	−2.2	+ 1	+27
10	−14.5	+2.8	+28	+18
12	−11.7	+6.4	+46	+ 4
14	− 5.3	+8.1	+50	− 9
16	+ 2.8	+7.3	+41	−22
18	+10.1	+4.3	+19	−27
20	+14.4	−0.2	− 8	−24
22	+14.2	−5.4	−32	−13
24	+ 8.8	−9.0	−45	+ 6
26	− 0.2	−8.9	−39	+23
28	− 9.1	−5.3	−16	+29
30	−14.4	0.0	+13	+26
Juli 2	−14.4	+4.7	+39	+14
4	− 9.7	+7.7	+53	− 2
6	− 2.0	+8.3	+51	−16
8	+ 6.3	+6.5	+35	−26
10	+12.8	+2.6	+ 9	−29
12	+15.4	−2.6	−20	−21
14	+12.8	−7.6	−41	− 6
16	+ 5.2	−9.7	−47	+14
18	− 4.5	−7.8	−33	+29
20	−12.3	−3.1	− 4	+31
22	−15.4		+27	

0h Welt-Zeit	HYPERION $\alpha_{tr}-\alpha_{pl}$ (s)		HYPERION $\delta_{tr}-\delta_{pl}$ (")	
1934				
Juli 22	−15.4	+2.3	+27	+22
24	−13.1	+6.5	+49	+ 8
26	− 6.6	+8.4	+57	− 8
28	+ 1.8	+8.0	+49	−23
30	+ 9.8	+5.1	+26	−29
Aug. 1	+14.9	+0.3	− 3	−29
3	+15.2	−5.2	−32	−17
5	+10.0	−9.1	−49	+ 3
7	+ 0.9	−9.5	−46	+23
9	− 8.6	−6.1	−23	+33
11	−14.7	−0.5	+10	+30
13	−15.2	+4.5	+40	+18
15	−10.7	+7.8	+58	+ 1
17	− 2.9	+8.7	+59	−16
19	+ 5.8	+6.9	+43	−28
21	+12.7	+3.1	+15	−32
23	+15.8	−2.3	−17	−27
25	+13.5	−7.4	−44	− 9
27	+ 6.1	−9.8	−53	+13
29	− 3.7	−8.4	−40	+30
31	−12.1	−3.5	−10	+35
Sept. 2	−15.6	+2.0	+25	+27
4	−13.6	+6.3	+52	+11
6	− 7.3	+8.5	+63	− 7
8	+ 1.2	+8.1	+56	−23
10	+ 9.3	+5.3	+33	−32
12	+14.6	+0.7	+ 1	−32
14	+15.3	−4.8	−31	−20
16	+10.5	−8.8	−51	0
18	+ 1.7	−9.6	−51	+22
20	− 7.9	−6.3	−29	+34
22	−14.2	−0.9	+ 5	+34
24	−15.1	+4.1	+39	+20
26	−11.0	+7.4	+59	+ 4
28	− 3.6	+8.5	+63	−15
30	+ 4.9	+7.0	+48	−27
Okt. 2	+11.9	+3.4	+21	−34
4	+15.3	−1.8	−13	−29
6	+13.5	−6.7	−42	−12
8	+ 6.8		−54	

0h Welt-Zeit	HYPERION $\alpha_{tr}-\alpha_{pl}$ (s)		HYPERION $\delta_{tr}-\delta_{pl}$ (")	
1934				
Okt. 8	+ 6.8	−9.4	−54	+10
10	− 2.6	−8.3	−44	+29
12	−10.9	−4.0	−15	+35
14	−14.9	+1.4	+20	+29
16	−13.5	+5.6	+49	+13
18	− 7.9	+7.9	+62	− 4
20	0.0	+7.9	+58	−20
22	+ 7.9	+5.5	+38	−31
24	+13.4	+1.3	+ 7	−33
26	+14.7	−3.8	−26	−22
28	+10.9	−8.0	−48	− 3
30	+ 2.9	−9.1	−51	+18
Nov. 1	− 6.2	−6.6	−33	+33
3	−12.8	−1.7	0	+32
5	−14.5	+3.2	+32	+23
7	−11.3	+6.6	+55	+ 5
9	− 4.7	+7.8	+60	−10
11	+ 3.1	+6.9	+50	−25
13	+10.0	+4.0	+25	−31
15	+14.0	−0.7	− 6	−28
17	+13.3	−5.5	−34	−15
19	+ 7.8	−8.6	−49	+ 5
21	− 0.8	−8.1	−44	+24
23	− 8.9	−4.7	−20	+32
25	−13.6	+0.3	+12	+28
27	−13.3	+4.4	+40	+16
29	− 8.9	+7.0	+56	− 1
Dez. 1	− 1.9	+7.5	+55	−16
3	+ 5.6	+5.8	+39	−26
5	+11.4	+2.3	+13	−30
7	+13.7	−2.3	−17	−23
9	+11.4	−6.7	−40	− 7
11	+ 4.7	−8.5	−47	+13
13	− 3.8	−7.0	−34	+27
15	−10.8	−2.8	− 7	+29
17	−13.6	+1.7	+22	+23
19	−11.9	+5.3	+45	+ 8
21	− 6.6	+7.2	+53	− 6
23	+ 0.6	+6.9	+47	−19
25	+ 7.5		+28	

Saturnstrabanten 1934

0^h Welt-Zeit	JAPETUS $\alpha_{tr}-\alpha_{pl}$		JAPETUS $\delta_{tr}-\delta_{pl}$	
1934	s	s	"	"
Mai 5	+21.2	−4.1	+17	−1
7	+17.1	−4.6	+16	−2
9	+12.5	−4.9	+14	−2
11	+ 7.6	−5.1	+12	−3
13	+ 2.5	−5.2	+ 9	−2
15	− 2.7	−5.2	+ 7	−3
17	− 7.9	−5.0	+ 4	−3
19	−12.9	−4.8	+ 1	−4
21	−17.7	−4.4	− 3	−4
23	−22.1	−4.0	− 7	−3
25	−26.1	−3.4	−10	−3
27	−29.5	−2.7	−13	−3
29	−32.2	−2.0	−16	−3
31	−34.2	−1.2	−19	−2
Juni 2	−35.4	−0.4	−21	−1
4	−35.8	+0.5	−22	−1
6	−35.3	+1.4	−23	−1
8	−33.9	+2.2	−24	0
10	−31.7	+3.0	−24	+1
12	−28.7	+3.7	−23	+1
14	−25.0	+4.4	−22	+2
16	−20.6	+5.0	−20	+3
18	−15.6	+5.5	−17	+3
20	−10.1	+5.7	−14	+3
22	− 4.4	+5.9	−11	+4
24	+ 1.5	+5.9	− 7	+4
26	+ 7.4	+5.7	− 3	+4
28	+13.1	+5.4	+ 1	+4
30	+18.5	+4.9	+ 5	+4
Juli 2	+23.4	+4.3	+ 9	+3
4	+27.7	+3.6	+12	+3
6	+31.3	+2.7	+15	+3
8	+34.0	+1.8	+18	+2
10	+35.8	+0.9	+20	+1
12	+36.7	−0.2	+21	0
14	+36.5	−1.1	+21	0
16	+35.4	−2.0	+21	−1
18	+33.4	−3.0	+20	−1
20	+30.4	−3.8	+19	−2
22	+26.6		+17	

0^h Welt-Zeit	JAPETUS $\alpha_{tr}-\alpha_{pl}$		JAPETUS $\delta_{tr}-\delta_{pl}$	
1934	s	s	"	"
Juli 22	+26.6	−4.4	+17	−2
24	+22.2	−5.0	+15	−3
26	+17.2	−5.5	+12	−3
28	+11.7	−5.8	+ 9	−3
30	+ 5.9	−6.0	+ 6	−4
Aug. 1	− 0.1	−6.0	+ 2	−4
3	− 6.1	−5.8	− 2	−3
5	−11.9	−5.5	− 5	−3
7	−17.4	−5.2	− 8	−2
9	−22.6	−4.6	−10	−2
11	−27.2	−4.0	−12	−2
13	−31.2	−3.3	−14	−1
15	−34.5	−2.4	−15	−1
17	−36.9	−1.5	−16	−1
19	−38.4	−0.6	−17	0
21	−39.0	+0.4	−17	+1
23	−38.6	+1.3	−16	+2
25	−37.3	+2.3	−14	+2
27	−35.0	+3.2	−12	+3
29	−31.8	+4.0	− 9	+2
31	−27.8	+4.7	− 7	+3
Sept. 2	−23.1	+5.3	− 4	+3
4	−17.8	+5.8	− 1	+3
6	−12.0	+6.1	+ 2	+3
8	− 5.9	+6.2	+ 5	+2
10	+ 0.3	+6.2	+ 7	+2
12	+ 6.5	+6.0	+ 9	+1
14	+12.5	+5.6	+10	+2
16	+18.1	+5.1	+12	+1
18	+23.2	+4.4	+13	0
20	+27.6	+3.7	+13	0
22	+31.3	+2.8	+13	−1
24	+34.1	+1.8	+12	−1
26	+35.9	+0.8	+11	−1
28	+36.7	−0.1	+10	−2
30	+36.6	−1.1	+ 8	−2
Okt. 2	+35.5	−2.1	+ 6	−2
4	+33.4	−3.0	+ 4	−2
6	+30.4	−3.7	+ 2	−3
8	+26.7		− 1	

0^h Welt-Zeit	JAPETUS $\alpha_{tr}-\alpha_{pl}$		JAPETUS $\delta_{tr}-\delta_{pl}$	
1934	s	s	"	"
Okt. 8	+26.7	−4.4	− 1	−3
10	+22.3	−4.9	− 4	−2
12	+17.4	−5.3	− 6	−2
14	+12.1	−5.5	− 8	−2
16	+ 6.6	−5.7	−10	−1
18	+ 0.9	−5.7	−11	−1
20	− 4.8	−5.5	−12	−1
22	−10.3	−5.2	−13	−1
24	−15.5	−4.8	−14	0
26	−20.3	−4.3	−14	0
28	−24.6	−3.7	−14	+1
30	−28.3	−3.1	−13	+1
Nov. 1	−31.4	−2.3	−12	+1
3	−33.7	−1.5	−11	+1
5	−35.2	−0.7	−10	+1
7	−35.9	+0.2	− 9	+2
9	−35.7	+1.1	− 7	+1
11	−34.6	+1.8	− 6	+2
13	−32.8	+2.6	− 4	+2
15	−30.2	+3.3	− 2	+2
17	−26.9	+3.9	0	+2
19	−23.0	+4.5	+ 2	+1
21	−18.5	+5.0	+ 3	+2
23	−13.5	+5.2	+ 5	+1
25	− 8.3	+5.4	+ 6	+1
27	− 2.9	+5.4	+ 7	+1
29	+ 2.5	+5.4	+ 8	+1
Dez. 1	+ 7.9	+5.1	+ 9	+1
3	+13.0	+4.7	+10	+1
5	+17.7	+4.2	+11	0
7	+21.9	+3.6	+11	0
9	+25.5	+2.9	+11	0
11	+28.4	+2.1	+11	0
13	+30.5	+1.4	+11	0
15	+31.9	+0.5	+11	0
17	+32.4	−0.3	+11	0
19	+32.1	−1.2	+11	0
21	+30.9	−1.9	+11	−1
23	+29.0	−2.6	+10	−1
25	+26.4		+ 9	

Östliche Elongationen (in Welt-Zeit)

MIMAS

		h			h			h			h			h
Mai	5	2.8	Juni	18	9.9	Aug.	1	16.8	Sept.	14	23.7	Okt.	29	6.7
	6	1.4		19	8.5		2	15.4		15	22.3		30	5.3
	7	0.0		20	7.1		3	14.0		16	20.9		31	4.0
	7	22.7		21	5.7		4	12.6		17	19.5	Nov.	1	2.6
	8	21.3		22	4.3		5	11.2		18	18.1		2	1.2
	9	19.9		23	3.0		6	9.8		19	16.8		2	23.8
	10	18.5		24	1.6		7	8.4		20	15.4		3	22.5
	11	17.2		25	0.2		8	7.0		21	14.0		4	21.1
	12	15.8		25	22.8		9	5.6		22	12.6		5	19.7
	13	14.4		26	21.4		10	4.3		23	11.2		6	18.3
	14	13.0		27	20.0		11	2.9		24	9.8		7	17.0
	15	11.7		28	18.6		12	1.5		25	8.4		8	15.6
	16	10.3		29	17.2		13	0.1		26	7.0		9	14.2
	17	8.9		30	15.9		13	22.8		27	5.7		10	12.8
	18	7.5	Juli	1	14.5		14	21.4		28	4.3		11	11.4
	19	6.1		2	13.1		15	20.0		29	2.9		12	10.1
	20	4.7		3	11.7		16	18.6		30	1.5		13	8.7
	21	3.3		4	10.3		17	17.2	Okt.	1	0.2		14	7.3
	22	2.0		5	8.9		18	15.9		1	22.8		15	5.9
	23	0.6		6	7.5		19	14.5		2	21.4		16	4.6
	23	23.2		7	6.1		20	13.1		3	20.0		17	3.2
	24	21.8		8	4.7		21	11.7		4	18.6		18	1.8
	25	20.5		9	3.4		22	10.3		5	17.3		19	0.4
	26	19.1		10	2.0		23	8.9		6	15.9		19	23.1
	27	17.7		11	0.6		24	7.5		7	14.5		20	21.7
	28	16.3		11	23.2		25	6.1		8	13.1		21	20.3
	29	14.9		12	21.9		26	4.8		9	11.7		22	18.9
	30	13.6		13	20.5		27	3.4		10	10.3		23	17.6
	31	12.2		14	19.1		28	2.0		11	8.9		24	16.2
Juni	1	10.8		15	17.7		29	0.6		12	7.5		25	14.8
	2	9.4		16	16.3		29	23.2		13	6.2		26	13.4
	3	8.0		17	15.0		30	21.8		14	4.8		27	12.0
	4	6.6		18	13.6		31	20.4		15	3.4		28	10.7
	5	5.2		19	12.2	Sept.	1	19.0		16	2.0		29	9.3
	6	3.8		20	10.8		2	17.7		17	0.7		30	7.9
	7	2.5		21	9.4		3	16.3		17	23.3	Dez.	1	6.5
	8	1.1		22	8.0		4	14.9		18	21.9		2	5.2
	8	23.7		23	6.6		5	13.5		19	20.5		3	3.8
	9	22.3		24	5.2		6	12.1		20	19.1		4	2.4
	10	21.0		25	3.9		7	10.7		21	17.8		5	1.0
	11	19.6		26	2.5		8	9.3		22	16.4		5	23.7
	12	18.2		27	1.1		9	7.9		23	15.0		6	22.3
	13	16.8		27	23.7		10	6.5		24	13.6		7	20.9
	14	15.4		28	22.3		11	5.2		25	12.2		8	19.5
	15	14.1		29	20.9		12	3.8		26	10.8		9	18.2
	16	12.7		30	19.5		13	2.4		27	9.5		10	16.8
	17	11.3		31	18.1		14	1.0		28	8.1		11	15.4

Saturnstrabanten 1934

Östliche Elongationen (in Welt-Zeit)

MIMAS

		h
Dez.	12	14.0
	13	12.6
	14	11.3
	15	9.9
	16	8.5
	17	7.1
	18	5.8
	19	4.4
	20	3.0
	21	1.6
	22	0.3
	22	22.9
	23	21.5
	24	20.1
	25	18.8

ENCELADUS

		h
Mai	5	1.1
	6	9.9
	7	18.8
	9	3.7
	10	12.6
	11	21.5
	13	6.4
	14	15.2
	16	0.1
	17	9.0
	18	17.9
	20	2.8
	21	11.7
	22	20.6
	24	5.5
	25	14.4
	26	23.2
	28	8.1
	29	17.0
	31	1.9
Juni	1	10.8
	2	19.7
	4	4.6
	5	13.5
	6	22.4
	8	7.2
	9	16.1
	11	1.0
Juni	12	9.9
	13	18.8
	15	3.7
	16	12.5
	17	21.4
	19	6.3
	20	15.2
	22	0.0
	23	8.9
	24	17.8
	26	2.7
	27	11.5
	28	20.4
	30	5.3
Juli	1	14.2
	2	23.0
	4	7.9
	5	16.8
	7	1.7
	8	10.6
	9	19.4
	11	4.3
	12	13.2
	13	22.1
	15	7.0
	16	15.9
	18	0.7
	19	9.6
	20	18.5
	22	3.4
	23	12.2
	24	21.1
	26	6.0
	27	14.9
	28	23.7
	30	8.6
	31	17.5
Aug.	2	2.4
	3	11.2
	4	20.1
	6	5.0
	7	13.9
	8	22.7
	10	7.6
	11	16.5
	13	1.4
	14	10.2
Aug.	15	19.1
	17	4.0
	18	12.9
	19	21.7
	21	6.6
	22	15.5
	24	0.3
	25	9.2
	26	18.1
	28	3.0
	29	11.8
	30	20.7
Sept.	1	5.6
	2	14.5
	3	23.3
	5	8.2
	6	17.1
	8	2.0
	9	10.9
	10	19.8
	12	4.6
	13	13.5
	14	22.4
	16	7.3
	17	16.2
	19	1.1
	20	9.9
	21	18.8
	23	3.7
	24	12.6
	25	21.5
	27	6.3
	28	15.2
	30	0.1
Okt.	1	9.0
	2	17.9
	4	2.8
	5	11.6
	6	20.5
	8	5.4
	9	14.3
	10	23.2
	12	8.1
	13	16.9
	15	1.8
	16	10.7
	17	19.6
Okt.	19	4.5
	20	13.4
	21	22.2
	23	7.1
	24	16.0
	26	0.9
	27	9.8
	28	18.7
	30	3.6
	31	12.5
Nov.	1	21.4
	3	6.2
	4	15.1
	6	0.0
	7	8.9
	8	17.8
	10	2.7
	11	11.6
	12	20.5
	14	5.4
	15	14.3
	16	23.2
	18	8.0
	19	16.9
	21	1.8
	22	10.7
	23	19.6
	25	4.5
	26	13.4
	27	22.3
	29	7.2
	30	16.1
Dez.	2	1.0
	3	9.9
	4	18.8
	6	3.7
	7	12.6
	8	21.5
	10	6.4
	11	15.3
	13	0.2
	14	9.1
	15	18.0
	17	2.9
	18	11.8
	19	20.7
	21	5.5
Dez.	22	14.4
	23	23.3
	25	8.2

TETHYS

		h
Mai	1	16.4
	3	13.7
	5	11.0
	7	8.3
	9	5.6
	11	3.0
	13	0.3
	14	21.6
	16	18.9
	18	16.2
	20	13.5
	22	10.8
	24	8.1
	26	5.4
	28	2.7
	30	0.0
	31	21.3
Juni	2	18.6
	4	15.9
	6	13.2
	8	10.5
	10	7.8
	12	5.0
	14	2.3
	15	23.6
	17	20.9
	19	18.2
	21	15.5
	23	12.8
	25	10.1
	27	7.4
	29	4.8
Juli	1	2.1
	2	23.4
	4	20.7
	6	18.0
	8	15.3
	10	12.6
	12	9.9
	14	7.2

Östliche Elongationen (in Welt-Zeit)

TETHYS

		h
Juli	16	4.5
	18	1.8
	19	23.1
	21	20.4
	23	17.7
	25	15.0
	27	12.3
	29	9.6
	31	6.8
Aug.	2	4.1
	4	1.4
	5	22.7
	7	20.0
	9	17.3
	11	14.6
	13	11.9
	15	9.1
	17	6.4
	19	3.7
	21	1.0
	22	22.3
	24	19.6
	26	16.9
	28	14.2
	30	11.5
Sept.	1	8.8
	3	6.1
	5	3.4
	7	0.7
	8	22.0
	10	19.3
	12	16.6
	14	13.9
	16	11.1
	18	8.4
	20	5.7
	22	3.0
	24	0.3
	25	21.6
	27	18.9
	29	16.2
Okt.	1	13.5
	3	10.8
	5	8.1
	7	5.4
	9	2.7
	11	0.0

TETHYS

		h
Okt.	12	21.3
	14	18.6
	16	15.9
	18	13.3
	20	10.6
	22	7.9
	24	5.2
	26	2.5
	27	23.8
	29	21.1
	31	18.4
Nov.	2	15.8
	4	13.1
	6	10.4
	8	7.7
	10	5.0
	12	2.3
	13	23.7
	15	21.0
	17	18.3
	19	15.6
	21	12.9
	23	10.3
	25	7.6
	27	4.9
	29	2.2
	30	23.6
Dez.	2	20.9
	4	18.2
	6	15.5
	8	12.9
	10	10.2
	12	7.5
	14	4.8
	16	2.2
	17	23.5
	19	20.8
	21	18.1
	23	15.4
	25	12.8

DIONE

		h
Mai	7	13.8
	10	7.5
	13	1.2

DIONE

		h
Mai	15	18.9
	18	12.6
	21	6.3
	24	0.0
	26	17.7
	29	11.4
Juni	1	5.1
	3	22.8
	6	16.5
	9	10.2
	12	3.9
	14	21.5
	17	15.2
	20	8.9
	23	2.6
	25	20.3
	28	13.9
Juli	1	7.6
	4	1.2
	6	18.9
	9	12.6
	12	6.2
	14	23.9
	17	17.5
	20	11.2
	23	4.8
	25	22.5
	28	16.1
	31	9.8
Aug.	3	3.4
	5	21.1
	8	14.7
	11	8.4
	14	2.0
	16	19.7
	19	13.3
	22	7.0
	25	0.6
	27	18.3
	30	11.9
Sept.	2	5.6
	4	23.2
	7	16.9
	10	10.6
	13	4.3
	15	21.9
	18	15.6

DIONE

		h
Sept.	21	9.2
	24	2.9
	26	20.6
	29	14.3
Okt.	2	7.9
	5	1.6
	7	19.2
	10	12.9
	13	6.6
	16	0.3
	18	17.9
	21	11.6
	24	5.3
	26	23.0
	29	16.7
Nov.	1	10.4
	4	4.1
	6	21.8
	9	15.5
	12	9.2
	15	2.9
	17	20.6
	20	14.4
	23	8.1
	26	1.8
	28	19.5
Dez.	1	13.2
	4	6.9
	7	0.7
	9	18.4
	12	12.1
	15	5.8
	17	23.5
	20	17.2
	23	11.0
	26	4.7

RHEA

		h
Mai	7	3.3
	11	15.8
	16	4.2
	20	16.7
	25	5.1
	29	17.6

RHEA

		h
Juni	3	6.0
	7	18.4
	12	6.9
	16	19.3
	21	7.7
	25	20.1
	30	8.4
Juli	4	20.8
	9	9.2
	13	21.5
	18	9.9
	22	22.2
	27	10.5
	31	22.9
Aug.	5	11.2
	9	23.5
	14	11.9
	19	0.2
	23	12.5
	28	0.8
Sept.	1	13.2
	6	1.5
	10	13.9
	15	2.2
	19	14.6
	24	2.9
	28	15.3
Okt.	3	3.7
	7	16.1
	12	4.5
	16	16.9
	21	5.2
	25	17.6
	30	6.1
Nov.	3	18.5
	8	7.0
	12	19.4
	17	7.9
	21	20.3
	26	8.8
	30	21.3
Dez.	5	9.8
	9	22.3
	14	10.8
	18	23.4
	23	11.9
	28	0.5

Elongationen und Konjunktionen (in Welt-Zeit)

TITAN

		h	
Mai	6	7.1	Unt. Konj.
	10	8.1	Westl. El.
	14	3.3	Ob. Konj.
	18	1.8	Östl. El.
	22	6.5	Unt. Konj.
	26	7.3	Westl. El.
	30	2.4	Ob. Konj.
Juni	3	0.9	Östl. El.
	7	5.4	Unt. Konj.
	11	6.2	Westl. El.
	15	1.1	Ob. Konj.
	18	23.5	Östl. El.
	23	3.9	Unt. Konj.
	27	4.6	Westl. El.
	30	23.4	Ob. Konj.
Juli	4	21.7	Östl. El.
	9	2.0	Unt. Konj.
	13	2.7	Westl. El.
	16	21.5	Ob. Konj.
	20	19.6	Östl. El.
	24	23.8	Unt. Konj.
	29	0.4	Westl. El.
Aug.	1	19.2	Ob. Konj.
	5	17.2	Östl. El.
	9	21.4	Unt. Konj.
	13	22.1	Westl. El.
	17	16.8	Ob. Konj.
	21	14.7	Östl. El.
	25	18.8	Unt. Konj.
	29	19.6	Westl. El.
Sept.	2	14.4	Ob. Konj.
	6	12.2	Östl. El.
	10	16.4	Unt. Konj.
	14	17.3	Westl. El.
	18	12.1	Ob. Konj.
	22	10.0	Östl. El.
	26	14.1	Unt. Konj.
	30	15.2	West. El.
Okt.	4	10.1	Ob. Konj.
	8	8.0	Östl. El.
	12	12.2	Unt. Konj.

TITAN

		h	
Okt.	16	13.5	Westl. El.
	20	8.5	Ob. Konj.
	24	6.4	Östl. El.
	28	10.8	Unt. Konj.
Nov.	1	12.1	Westl. El.
	5	7.2	Ob. Konj.
	9	5.3	Östl. El.
	13	9.8	Unt. Konj.
	17	11.2	Westl. El.
	21	6.4	Ob. Konj.
	25	4.6	Östl. El.
	29	9.2	Unt. Konj.
Dez.	3	10.7	Westl. El.
	7	6.0	Ob. Konj.
	11	4.3	Östl. El.
	15	9.0	Unt. Konj.
	19	10.5	Westl. El.
	23	5.8	Ob. Konj.

HYPERION

		h	
Mai	9	21.7	Östl. El.
	14	17.1	Unt. Konj.
	19	10.4	Westl. El.
	25	5.8	Ob. Konj.
	31	3.2	Östl. El.
Juni	4	22.1	Unt. Konj.
	9	15.6	Westl. El.
	15	10.9	Ob. Konj.
	21	7.5	Östl. El.
	26	1.9	Unt. Konj.
	30	19.5	Westl. El.
Juli	6	14.6	Ob. Konj.
	12	10.6	Östl. El.
	17	4.7	Unt. Konj.
	21	22.3	Westl. El.
	27	17.3	Ob. Konj.
Aug.	2	12.9	Östl. El.
	7	6.9	Unt. Konj.
	12	0.5	Westl. El.
	17	19.3	Ob. Konj.

HYPERION

		h	
Aug.	23	14.8	Östl. El.
	28	8.9	Unt. Konj
Sept.	2	2.5	Westl. El.
	7	21.2	Ob. Konj.
	13	16.9	Östl. El.
	18	11.1	Unt. Konj.
	23	4.8	Westl. El.
	28	23.9	Ob. Konj.
Okt.	4	19.7	Östl. El.
	9	14.0	Unt. Konj.
	14	8.0	Westl. El.
	20	3.7	Ob. Konj.
	25	23.7	Östl. El.
	30	18.0	Unt. Konj.
Nov.	4	12.4	Westl. El.
	10	8.9	Ob. Konj.
	16	5.0	Östl. El.
	20	23.2	Unt. Konj.
	25	18.2	Westl. El.
Dez.	1	15.8	Ob. Konj.
	7	11.8	Östl. El.
	12	5.7	Unt. Konj.
	17	1.5	Westl. El.
	23	0.1	Ob. Konj.

JAPETUS

		h	
Mai	14	0.5	Unt. Konj.
Juni	3	23.9	Westl. El.
	23	13.7	Ob. Konj.
Juli	12	6.3	Östl. El.
Aug.	1	0.3	Unt. Konj.
	21	13.6	Westl. El.
Sept.	9	22.6	Ob. Konj.
	28	13.3	Östl. El.
Okt.	18	8.6	Unt. Konj.
Nov.	8	6.2	Westl. El.
	28	2.8	Ob. Konj.
Dez.	17	4.7	Östl. El.

Welt-Zeit 1934		h	
Jan.	2	10	☉ in Erdnähe
	2	11	♅ stationär
	5	4	☿ im Aphel
	6	5	♆ ☌ ☾
	9	9	♃ ☌ ☾
	13	11	♀ stationär
	15	8	☿ ☌ ☾
	16	23	♂ ☌ ☾
	17	0	♄ ☌ ☾
	17	10	♀ ☌ ☾
	17	18	♂ ☌ ♄, ♂ 0° 9′ S.
	20	2	☿ obere ☌ ☉
	22	0	♅ ☌ ☾
	23	0	♀ ☌ ♂, ♀ 6° 36′ N.
	25	19	♂ im Perihel
	28	21	♀ ☌ ♄, ♀ 7° 53′ N.
	30	—	☾ part. Finsternis
	30	2	☿ ☌ ♀, ☿ 9° 8′ S.
	30	15	☿ ☌ ♄, ☿ 0° 58′ S.
		h	
Febr.	2	1	♀ im Perihel
	2	9	♆ ☌ ☾
	5	4	♀ untere ☌ ☉
	5	18	♃ ☌ ☾
	7	18	♃ stationär
	8	6	♄ ☌ ☉
	8	23	☿ ☌ ♂, ☿ 0° 8′ N.
	12	23	♀ ☌ ☾
	13	—	☉ totale Finsternis
	13	17	♄ ☌ ☾
	15	1	♂ ☌ ☾
	15	9	☿ ☌ ☾
	18	4	☿ im Perihel
	18	7	☿ gr. östl. El. 18° 7′
	18	11	♅ ☌ ☾
	19	6	♃ im Aphel
	24	6	☿ stationär
	24	23	♀ stationär
	27	7	☿ ☌ ♂, ☿ 4° 28′ N.
		h	
März	1	14	♆ ☌ ☾
	2	7	♆ ☍ ☉
	4	21	♃ ☌ ☾
	6	0	☿ untere ☌ ☉
	11	18	♀ im größten Glanze
	12	10	♀ ☌ ☾
	13	8	♄ ☌ ☾
	14	8	☿ ☌ ☾

Welt-Zeit 1934		h	
März	16	4	♂ ☌ ☾
	17	23	♅ ☌ ☾
	18	9	☿ stationär
	21	7	Frühlingsanfang
	28	21	♆ ☌ ☾
	31	23	♃ ☌ ☾
		h	
April	1	15	♀ ☌ ♄, ♀ 3° 29′ N.
	2	11	☿ gr. westl. El. 27° 49′
	3	4	☿ im Aphel
	8	21	♃ ☍ ☉
	9	20	♄ ☌ ☾
	10	9	♀ ☌ ☾
	12	4	☿ ☌ ☾
	14	4	♂ ☌ ☾
	14	11	♅ ☌ ☾
	14	14	♂ ☌ ☉
	16	8	♀ gr. westl. El. 46° 18′
	18	3	♅ ☌ ☉
	19	8	♂ ☌ ♅, ♂ 0° 8′ N.
	25	5	♆ ☌ ☾
	28	2	♃ ☌ ☾
		h	
Mai	1	14	☿ ☌ ♅, ☿ 1° 15′ S.
	7	5	♄ ☌ ☾
	8	12	☿ ☌ ♂, ☿ 0° 31′ S.
	10	0	♀ ☌ ☾
	11	21	♅ ☌ ☾
	13	2	♂ ☌ ☾
	13	5	☿ obere ☌ ☉
	13	16	☿ ☌ ☾
	17	3	☿ im Perihel
	21	18	♆ stationär
	22	13	♆ ☌ ☾
	25	4	♀ im Aphel
	25	7	♃ ☌ ☾
		h	
Juni	1	17	♀ ☌ ♅, ♀ 1° 44′ S.
	3	13	♄ ☌ ☾
	8	5	♅ ☌ ☾
	8	20	♀ ☌ ☾
	9	11	♄ stationär
	10	23	♂ ☌ ☾
	11	5	♃ stationär
	14	7	☿ gr. östl. El. 24° 27′
	14	7	☿ ☌ ☾
	18	21	♆ ☌ ☾

Konstellationen 1934

Welt-Zeit 1934		h	
Juni	21	16	♃ ☌ ☾
	22	3	Sommersanfang
	27	14	☿ stationär
	30	3	☿ im Aphel
	30	20	♄ ☌ ☾
Juli	5	13	♅ ☌ ☾
	5	19	☉ in Erdferne
	8	17	♀ ☌ ☾
	9	19	♂ ☌ ☾
	11	12	☿ untere ☌ ☉
	11	15	☿ ☌ ☾
	16	5	♆ ☌ ☾
	19	3	♃ ☌ ☾
	22	6	☿ stationär
	26	—	☾ part. Finsternis
	28	3	♄ ☌ ☾
	31	21	☿ gr. westl. El. 19° 31′
Aug.	1	20	♅ ☌ ☾
	2	21	♀ ☌ ♂, ♀ 1° 8′ S.
	7	8	♅ stationär
	7	16	♂ ☌ ☾
	7	21	♀ ☌ ☾
	8	19	☿ ☌ ☾
	10	—	☉ ringf. Finsternis
	12	13	♆ ☌ ☾
	13	2	☿ im Perihel
	15	16	♃ ☌ ☾
	18	11	♄ ☍ ☉
	24	11	♄ ☌ ☾
	26	6	☿ obere ☌ ☉
	29	4	♅ ☌ ☾
	31	3	☿ ☌ ♆, ☿ 0° 43′ N.
Sept.	5	10	♆ ☌ ☉
	5	12	♂ ☌ ☾
	7	10	♀ ☌ ☾
	8	21	♆ ☌ ☾
	10	8	☿ ☌ ☾
	12	7	♃ ☌ ☾
	14	14	♀ im Perihel
	20	18	♄ ☌ ☾
	21	6	♀ ☌ ♆, ♀ 0° 30′ N.
	23	18	Herbstanfang
	25	12	♅ ☌ ☾
	26	2	☿ im Aphel
	29	13	☿ ☌ ♃, ☿ 2° 57′ S.

Welt-Zeit 1934		h	
Okt.	4	10	♂ ☌ ☾
	6	6	♆ ☌ ☾
	7	22	♀ ☌ ☾
	9	23	♃ ☌ ☾
	10	18	☿ ☌ ☾
	10	22	☿ gr. östl. El. 25° 13′
	18	0	♄ ☌ ☾
	22	20	♅ ☌ ☾
	23	1	☿ stationär
	23	13	♅ ☍ ☉
	27	0	♄ stationär
	27	16	♃ ☌ ☉
Nov.	2	2	♀ ☌ ♃, ♀ 0° 3′ N.
	2	6	♂ ☌ ☾
	2	16	♆ ☌ ☾
	3	5	☿ untere ☌ ☉
	4	15	☿ ☌ ♀, ☿ 0° 58′ S.
	6	17	☿ ☌ ♃, ☿ 0° 18′ S.
	6	18	☿ ☌ ☾
	6	18	♃ ☌ ☾
	7	3	♀ ☌ ☾
	9	2	☿ im Perihel
	11	6	♂ ☌ ♆, ♂ 0° 49′ N
	11	23	☿ stationär
	14	6	♄ ☌ ☾
	18	23	♀ obere ☌ ☉
	19	3	♅ ☌ ☾
	19	13	☿ gr. westl. El. 19° 35′
	20	18	☿ ☌ ♃, ☿ 1° 23′ N.
	30	2	♆ ☌ ☾
	30	23	♂ ☌ ☾
Dez.	4	13	♃ ☌ ☾
	5	19	☿ ☌ ☾
	7	2	♀ ☌ ☾
	11	14	♄ ☌ ☾
	16	8	♅ ☌ ☾
	18	0	♆ stationär
	22	13	Wintersanfang
	23	2	☿ im Aphel
	27	10	♆ ☌ ☾
	29	12	♂ ☌ ☾
	31	2	☿ obere ☌ ☉

Präzession in Rektaszension (p_α) und Deklination (p_δ)

α \ δ	+60°	+50°	+40°	+30°	+20°	+10°	0°	−10°	−20°	−30°	−40°	−50°	−60°	p_δ
h	s	s	s	s	s	s	s	s	s	s	s	s	s	″
0	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	+20.0
1	3.67	3.48	3.36	3.27	3.20	3.13	3.07	3.01	2.95	2.87	2.78	2.66	2.47	+19.4
2	4.23	3.87	3.63	3.46	3.32	3.19	3.07	2.95	2.83	2.69	2.51	2.28	1.92	+17.4
3	4.71	4.20	3.87	3.62	3.42	3.24	3.07	2.91	2.73	2.53	2.28	1.95	1.44	+14.2
4	5.08	4.45	4.04	3.74	3.49	3.28	3.07	2.87	2.65	2.41	2.10	1.69	1.07	+10.0
5	5.31	4.61	4.16	3.82	3.54	3.30	3.07	2.84	2.60	2.33	1.99	1.53	0.84	+ 5.2
6	5.39	4.67	4.19	3.84	3.56	3.31	3.07	2.84	2.59	2.30	1.95	1.48	0.76	0.0
7	5.31	4.61	4.16	3.82	3.54	3.30	3.07	2.84	2.60	2.33	1.99	1.53	0.84	− 5.2
8	5.08	4.45	4.04	3.74	3.49	3.28	3.07	2.87	2.65	2.41	2.10	1.69	1.07	−10.0
9	4.71	4.20	3.87	3.62	3.42	3.24	3.07	2.91	2.73	2.53	2.28	1.95	1.44	−14.2
10	4.23	3.87	3.63	3.46	3.32	3.19	3.07	2.95	2.83	2.69	2.51	2.28	1.92	−17.4
11	3.67	3.48	3.36	3.27	3.20	3.13	3.07	3.01	2.95	2.87	2.78	2.66	2.47	−19.4
12	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	−20.0
13	2.47	2.66	2.78	2.87	2.95	3.01	3.07	3.13	3.20	3.27	3.36	3.48	3.67	−19.4
14	1.92	2.28	2.51	2.69	2.83	2.95	3.07	3.19	3.32	3.46	3.63	3.87	4.23	−17.4
15	1.44	1.95	2.28	2.53	2.73	2.91	3.07	3.24	3.42	3.62	3.87	4.20	4.71	−14.2
16	1.07	1.69	2.10	2.41	2.65	2.87	3.07	3.28	3.49	3.74	4.04	4.45	5.08	−10.0
17	0.84	1.53	1.99	2.33	2.60	2.84	3.07	3.30	3.54	3.82	4.16	4.61	5.31	− 5.2
18	0.76	1.48	1.95	2.30	2.59	2.84	3.07	3.31	3.56	3.84	4.19	4.67	5.39	0.0
19	0.84	1.53	1.99	2.33	2.60	2.84	3.07	3.30	3.54	3.82	4.16	4.61	5.31	+ 5.2
20	1.07	1.69	2.10	2.41	2.65	2.87	3.07	3.28	3.49	3.74	4.04	4.45	5.08	+10.0
21	1.44	1.95	2.28	2.53	2.73	2.91	3.07	3.24	3.42	3.62	3.87	4.20	4.71	+14.2
22	1.92	2.28	2.51	2.69	2.83	2.95	3.07	3.19	3.32	3.46	3.63	3.87	4.23	+17.4
23	2.47	2.66	2.78	2.87	2.95	3.01	3.07	3.13	3.20	3.27	3.36	3.48	3.67	+19.4
24	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	+20.0

Präzessionswerte und Schiefe der Ekliptik

Zeit	m	n	ψ	log π	Π	ε
1900.0	3.07238 s	20.0468″	50.2564″	9.67309	173° 57.06′	23° 27′ 8.26″
1905.0	3.07243	20.0464	50.2575	9.67305	173 59.80	23 27 5.92
1910.0	3.07252	20.0460	50.2586	9.67302	174 2.53	23 27 3.58
1915.0	3.07261	20.0456	50.2597	9.67299	174 5.27	23 27 1.23
1920.0	3.07271	20.0451	50.2608	9.67296	174 8.01	23 26 58.89
1925.0	3.07280	20.0447	50.2620	9.67293	174 10.75	23 26 56.55
1930.0	3.07289	20.0443	50.2631	9.67290	174 13.49	23 26 54.21
1935.0	3.07299	20.0438	50.2642	9.67287	174 16.23	23 26 51.87
1940.0	3.07308	20.0434	50.2653	9.67284	174 18.97	23 26 49.52
1945.0	3.07317	20.0430	50.2664	9.67281	174 21.71	23 26 47.18
1950.0	3.07327	20.0426	50.2675	9.67278	174 24.45	23 26 44.84

Länge λ	Präzession in Länge p_λ — Breite β: 0°	+1°	+2°	+3°	+4°	+5°	+6°	+7°	+8°	+9°	Länge λ	Präz. in Br. p_β — Präzession p_β	
0°	50″.262	″.254	″.245	″.237	″.229	50″.221	″.213	″.205	″.196	″.188	0°	+0″.048	80
10	.262	.254	.246	.238	.230	.222	.214	.206	.198	.190	10	+0.128	77
20	.262	.255	.247	.240	.232	.225	.217	.210	.202	.195	20	+0.205	70
30	.262	.255	.249	.242	.235	.229	.222	.215	.208	.202	30	+0.275	63
40	50.262	.256	.251	.245	.239	50.233	.227	.221	.216	.210	40	+0.338	52
50	.262	.257	.253	.248	.243	.239	.234	.229	.225	.220	50	+0.390	40
60	.262	.259	.255	.252	.249	.245	.242	.238	.235	.231	60	+0.430	26
70	.262	.260	.258	.256	.254	.252	.250	.248	.246	.244	70	+0.456	14
80	50.262	.261	.261	.260	.259	50.259	.258	.258	.257	.257	80	+0.470	1
90	.262	.263	.263	.264	.265	.266	.267	.268	.269	.270	90	+0.469	16
100	.262	.264	.267	.269	.271	.273	.275	.277	.280	.282	100	+0.453	29
110	.262	.266	.269	.273	.277	.280	.284	.287	.291	.294	110	+0.424	42
120	50.262	.267	.271	.276	.281	50.286	.291	.296	.301	.306	120	+0.382	54
130	.262	.268	.274	.280	.286	.292	.298	.304	.310	.316	130	+0.328	63
140	.262	.269	.275	.282	.289	.296	.303	.310	.317	.324	140	+0.265	72
150	.262	.270	.277	.285	.292	.300	.307	.315	.322	.330	150	+0.193	77
160	50.262	.270	.278	.286	.294	50.302	.310	.318	.326	.334	160	+0.116	81
170	.262	.270	.279	.287	.295	.303	.311	.319	.328	.336	170	+0.035	83
180	.262	.270	.279	.287	.295	.303	.311	.319	.328	.336	180	—0.048	80
190	.262	.270	.278	.286	.294	.302	.310	.318	.326	.334	190	—0.128	77
200	50.262	.269	.277	.284	.292	50.299	.307	.314	.322	.329	200	—0.205	70
210	.262	.269	.275	.282	.289	.295	.302	.309	.316	.322	210	—0.275	63
220	.262	.268	.273	.279	.285	.291	.297	.303	.308	.314	220	—0.338	52
230	.262	.267	.271	.276	.281	.285	.290	.295	.299	.304	230	—0.390	40
240	50.262	.265	.269	.272	.275	50.279	.282	.286	.289	.293	240	—0.430	26
250	.262	.264	.266	.268	.270	.272	.274	.276	.278	.280	250	—0.456	14
260	.262	.263	.263	.264	.265	.265	.266	.266	.267	.267	260	—0.470	1
270	.262	.261	.261	.260	.259	.258	.257	.256	.255	.254	270	—0.469	16
280	50.262	.260	.257	.255	.253	50.251	.249	.247	.244	.242	280	—0.453	29
290	.262	.258	.255	.251	.247	.244	.240	.237	.233	.230	290	—0.424	42
300	.262	.257	.253	.248	.243	.238	.233	.228	.223	.218	300	—0.382	54
310	.262	.256	.250	.244	.238	.232	.226	.220	.214	.208	310	—0.328	63
320	50.262	.255	.249	.242	.235	50.228	.221	.214	.207	.200	320	—0.265	72
330	.262	.254	.247	.239	.232	.224	.217	.209	.202	.194	330	—0.193	77
340	.262	.254	.246	.238	.230	.222	.214	.206	.198	.190	340	—0.116	81
350	.262	.254	.245	.237	.229	.221	.213	.205	.196	.188	350	—0.035	83
360	50.262	.254	.245	.237	.229	50.221	.213	.205	.196	.188	360	+0.048	

Präzession in Länge p_λ											Präz. in Br. p_β		
Länge	Breite β										Länge	Präzession	
λ	0°	−1°	−2°	−3°	−4°	−5°	−6°	−7°	−8°	−9°	λ	p_β	
0°	50″.262	″.270	″.279	″.287	″.295	50″.303	″.311	″.319	″.328	″.336	0°	+0″.048	80
10	.262	.270	.278	.286	.294	.302	.310	.318	.326	.334	10	+0.128	77
20	.262	.269	.277	.284	.292	.299	.307	.314	.322	.329	20	+0.205	70
30	.262	.269	.275	.282	.289	.295	.302	.309	.316	.322	30	+0.275	63
40	50.262	.268	.273	.279	.285	50.291	.297	.303	.308	.314	40	+0.338	52
50	.262	.267	.271	.276	.281	.285	.290	.295	.299	.304	50	+0.390	40
60	.262	.265	.269	.272	.275	.279	.282	.286	.289	.293	60	+0.430	26
70	.262	.264	.266	.268	.270	.272	.274	.276	.278	.280	70	+0.456	14
80	50.262	.263	.263	.264	.265	50.265	.266	.266	.267	.267	80	+0.470	1
90	.262	.261	.261	.260	.259	.258	.257	.256	.255	.254	90	+0.469	16
100	.262	.260	.257	.255	.253	.251	.249	.247	.244	.242	100	+0.453	29
110	.262	.258	.255	.251	.247	.244	.240	.237	.233	.230	110	+0.424	42
120	50.262	.257	.253	.248	.243	50.238	.233	.228	.223	.218	120	+0.382	54
130	.262	.256	.250	.244	.238	.232	.226	.220	.214	.208	130	+0.328	63
140	.262	.255	.249	.242	.235	.228	.221	.214	.207	.200	140	+0.265	72
150	.262	.254	.247	.239	.232	.224	.217	.209	.202	.194	150	+0.193	77
160	50.262	.254	.246	.238	.230	50.222	.214	.206	.198	.190	160	+0.116	81
170	.262	.254	.245	.237	.229	.221	.213	.205	.196	.188	170	+0.035	83
180	.262	.254	.245	.237	.229	.221	.213	.205	.196	.188	180	−0.048	80
190	.262	.254	.246	.238	.230	.222	.214	.206	.198	.190	190	−0.128	77
200	50.262	.255	.247	.240	.232	50.225	.217	.210	.202	.195	200	−0.205	70
210	.262	.255	.249	.242	.235	.229	.222	.215	.208	.202	210	−0.275	63
220	.262	.256	.251	.245	.239	.233	.227	.221	.216	.210	220	−0.338	52
230	.262	.257	.253	.248	.243	.239	.234	.229	.225	.220	230	−0.390	40
240	50.262	.259	.255	.252	.249	50.245	.242	.238	.235	.231	240	−0.430	26
250	.262	.260	.258	.256	.254	.252	.250	.248	.246	.244	250	−0.456	14
260	.262	.261	.261	.260	.259	.259	.258	.258	.257	.257	260	−0.470	1
270	.262	.263	.263	.264	.265	.266	.267	.268	.269	.270	270	−0.469	16
280	50.262	.264	.267	.269	.271	50.273	.275	.277	.280	.282	280	−0.453	29
290	.262	.266	.269	.273	.277	.280	.284	.287	.291	.294	290	−0.424	42
300	.262	.267	.271	.276	.281	.286	.291	.296	.301	.306	300	−0.382	54
310	.262	.268	.274	.280	.286	.292	.298	.304	.310	.316	310	−0.328	63
320	50.262	.269	.275	.282	.289	50.296	.303	.310	.317	.324	320	−0.265	72
330	.262	.270	.277	.285	.292	.300	.307	.315	.322	.330	330	−0.193	77
340	.262	.270	.278	.286	.294	.302	.310	.318	.326	.334	340	−0.116	81
350	.262	.270	.279	.287	.295	.303	.311	.319	.328	.336	350	−0.035	83
360	50.262	.270	.279	.287	.295	50.303	.311	.319	.328	.336	360	+0.048	

Verwandlung von mittlerer Zeit in Sternzeit

Red.	0^m	1^m	2^m	3^m	Red.		Red.	
s	h m s	h m s	h m s	h m s	s	m s	s	m s
0	0 0 0	6 5 15	12 10 29	18 15 44	0.00	0 0	0.50	3 3
1	0 6 5	6 11 20	12 16 34	18 21 49	0.01	0 4	0.51	3 6
2	0 12 10	6 17 25	12 22 40	18 27 54	0.02	0 7	0.52	3 10
3	0 18 16	6 23 30	12 28 45	18 33 59	0.03	0 11	0.53	3 14
4	0 24 21	6 29 36	12 34 50	18 40 5	0.04	0 15	0.54	3 17
5	0 30 26	6 35 41	12 40 55	18 46 10	0.05	0 18	0.55	3 21
6	0 36 31	6 41 46	12 47 1	18 52 15	0.06	0 22	0.56	3 25
7	0 42 37	6 47 51	12 53 6	18 58 20	0.07	0 26	0.57	3 28
8	0 48 42	6 53 56	12 59 11	19 4 26	0.08	0 29	0.58	3 32
9	0 54 47	7 0 2	13 5 16	19 10 31	0.09	0 33	0.59	3 35
10	1 0 52	7 6 7	13 11 21	19 16 36	0.10	0 37	0.60	3 39
11	1 6 58	7 12 12	13 17 27	19 22 41	0.11	0 40	0.61	3 43
12	1 13 3	7 18 17	13 23 32	19 28 47	0.12	0 44	0.62	3 46
13	1 19 8	7 24 23	13 29 37	19 34 52	0.13	0 47	0.63	3 50
14	1 25 13	7 30 28	13 35 42	19 40 57	0.14	0 51	0.64	3 54
15	1 31 19	7 36 33	13 41 48	19 47 2	0.15	0 55	0.65	3 57
16	1 37 24	7 42 38	13 47 53	19 53 7	0.16	0 58	0.66	4 1
17	1 43 29	7 48 44	13 53 58	19 59 13	0.17	1 2	0.67	4 5
18	1 49 34	7 54 49	14 0 3	20 5 18	0.18	1 6	0.68	4 8
19	1 55 40	8 0 54	14 6 9	20 11 23	0.19	1 9	0.69	4 12
20	2 1 45	8 6 59	14 12 14	20 17 28	0.20	1 13	0.70	4 16
21	2 7 50	8 13 5	14 18 19	20 23 34	0.21	1 17	0.71	4 19
22	2 13 55	8 19 10	14 24 24	20 29 39	0.22	1 20	0.72	4 23
23	2 20 1	8 25 15	14 30 30	20 35 44	0.23	1 24	0.73	4 27
24	2 26 6	8 31 20	14 36 35	20 41 49	0.24	1 28	0.74	4 30
25	2 32 11	8 37 26	14 42 40	20 47 55	0.25	1 31	0.75	4 34
26	2 38 16	8 43 31	14 48 45	20 54 0	0.26	1 35	0.76	4 38
27	2 44 22	8 49 36	14 54 51	21 0 5	0.27	1 39	0.77	4 41
28	2 50 27	8 55 41	15 0 56	21 6 10	0.28	1 42	0.78	4 45
29	2 56 32	9 1 47	15 7 1	21 12 16	0.29	1 46	0.79	4 49
30	3 2 37	9 7 52	15 13 6	21 18 21	0.30	1 50	0.80	4 52
31	3 8 43	9 13 57	15 19 12	21 24 26	0.31	1 53	0.81	4 56
32	3 14 48	9 20 2	15 25 17	21 30 31	0.32	1 57	0.82	4 59
33	3 20 53	9 26 8	15 31 22	21 36 37	0.33	2 1	0.83	5 3
34	3 26 58	9 32 13	15 37 27	21 42 42	0.34	2 4	0.84	5 7
35	3 33 3	9 38 18	15 43 33	21 48 47	0.35	2 8	0.85	5 10
36	3 39 9	9 44 23	15 49 38	21 54 52	0.36	2 11	0.86	5 14
37	3 45 14	9 50 28	15 55 43	22 0 58	0.37	2 15	0.87	5 18
38	3 51 19	9 56 34	16 1 48	22 7 3	0.38	2 19	0.88	5 21
39	3 57 24	10 2 39	16 7 54	22 13 8	0.39	2 22	0.89	5 25
40	4 3 30	10 8 44	16 13 59	22 19 13	0.40	2 26	0.90	5 29
41	4 9 35	10 14 49	16 20 4	22 25 19	0.41	2 30	0.91	5 32
42	4 15 40	10 20 55	16 26 9	22 31 24	0.42	2 33	0.92	5 36
43	4 21 45	10 27 0	16 32 14	22 37 29	0.43	2 37	0.93	5 40
44	4 27 51	10 33 5	16 38 20	22 43 34	0.44	2 41	0.94	5 43
45	4 33 56	10 39 10	16 44 25	22 49 39	0.45	2 44	0.95	5 47
46	4 40 1	10 45 16	16 50 30	22 55 45	0.46	2 48	0.96	5 51
47	4 46 6	10 51 21	16 56 35	23 1 50	0.47	2 52	0.97	5 54
48	4 52 12	10 57 26	17 2 41	23 7 55	0.48	2 55	0.98	5 58
49	4 58 17	11 3 31	17 8 46	23 14 0	0.49	2 59	0.99	6 2
50	5 4 22	11 9 37	17 14 51	23 20 6	0.50	3 3	1.00	6 5
51	5 10 27	11 15 42	17 20 56	23 26 11				
52	5 16 33	11 21 47	17 27 2	23 32 16				
53	5 22 38	11 27 52	17 33 7	23 38 21				
54	5 28 43	11 33 58	17 39 12	23 44 27				
55	5 34 48	11 40 3	17 45 17	23 50 32				
56	5 40 54	11 46 8	17 51 23	23 56 37				
57	5 46 59	11 52 13	17 57 28	24 2 42				
58	5 53 4	11 58 19	18 3 33	24 8 48				
59	5 59 9	12 4 24	18 9 38	24 14 53				

Die Reduktion ist zur mittleren Zeit zu addieren.

Red.	0^m	1^m	2^m	3^m	Red.		Red.	
s	h m s	h m s	h m s	h m s	s	m s	s	m s
0	0 0 0	6 6 15	12 12 29	18 18 44	0.00	0 0	0.50	3 3
1	0 6 6	6 12 21	12 18 35	18 24 50	0.01	0 4	0.51	3 7
2	0 12 12	6 18 27	12 24 42	18 30 56	0.02	0 7	0.52	3 10
3	0 18 19	6 24 33	12 30 48	18 37 2	0.03	0 11	0.53	3 14
4	0 24 25	6 30 40	12 36 54	18 43 9	0.04	0 15	0.54	3 18
5	0 30 31	6 36 46	12 43 0	18 49 15	0.05	0 18	0.55	3 21
6	0 36 37	6 42 52	12 49 7	18 55 21	0.06	0 22	0.56	3 25
7	0 42 44	6 48 58	12 55 13	19 1 27	0.07	0 26	0.57	3 29
8	0 48 50	6 55 4	13 1 19	19 7 34	0.08	0 29	0.58	3 32
9	0 54 56	7 1 11	13 7 25	19 13 40	0.09	0 33	0.59	3 36
10	1 1 2	7 7 17	13 13 31	19 19 46	0.10	0 37	0.60	3 40
11	1 7 9	7 13 23	13 19 38	19 25 52	0.11	0 40	0.61	3 43
12	1 13 15	7 19 29	13 25 44	19 31 59	0.12	0 44	0.62	3 47
13	1 19 21	7 25 36	13 31 50	19 38 5	0.13	0 48	0.63	3 51
14	1 25 27	7 31 42	13 37 56	19 44 11	0.14	0 51	0.64	3 54
15	1 31 34	7 37 48	13 44 3	19 50 17	0.15	0 55	0.65	3 58
16	1 37 40	7 43 54	13 50 9	19 56 23	0.16	0 59	0.66	4 2
17	1 43 46	7 50 1	13 56 15	20 2 30	0.17	1 2	0.67	4 5
18	1 49 52	7 56 7	14 2 21	20 8 36	0.18	1 6	0.68	4 9
19	1 55 59	8 2 13	14 8 28	20 14 42	0.19	1 10	0.69	4 13
20	2 2 5	8 8 19	14 14 34	20 20 48	0.20	1 13	0.70	4 16
21	2 8 11	8 14 26	14 20 40	20 26 55	0.21	1 17	0.71	4 20
22	2 14 17	8 20 32	14 26 46	20 33 1	0.22	1 21	0.72	4 24
23	2 20 24	8 26 38	14 32 53	20 39 7	0.23	1 24	0.73	4 27
24	2 26 30	8 32 44	14 38 59	20 45 13	0.24	1 28	0.74	4 31
25	2 32 36	8 38 51	14 45 5	20 51 20	0.25	1 32	0.75	4 35
26	2 38 42	8 44 57	14 51 11	20 57 26	0.26	1 35	0.76	4 38
27	2 44 49	8 51 3	14 57 18	21 3 32	0.27	1 39	0.77	4 42
28	2 50 55	8 57 9	15 3 24	21 9 38	0.28	1 43	0.78	4 46
29	2 57 1	9 3 16	15 9 30	21 15 45	0.29	1 46	0.79	4 49
30	3 3 7	9 9 22	15 15 36	21 21 51	0.30	1 50	0.80	4 53
31	3 9 14	9 15 28	15 21 43	21 27 57	0.31	1 54	0.81	4 57
32	3 15 20	9 21 34	15 27 49	21 34 3	0.32	1 57	0.82	5 0
33	3 21 26	9 27 41	15 33 55	21 40 10	0.33	2 1	0.83	5 4
34	3 27 32	9 33 47	15 40 1	21 46 16	0.34	2 5	0.84	5 8
35	3 33 38	9 39 53	15 46 8	21 52 22	0.35	2 8	0.85	5 11
36	3 39 45	9 45 59	15 52 14	21 58 28	0.36	2 12	0.86	5 15
37	3 45 51	9 52 5	15 58 20	22 4 35	0.37	2 16	0.87	5 19
38	3 51 57	9 58 12	16 4 26	22 10 41	0.38	2 19	0.88	5 22
39	3 58 3	10 4 18	16 10 33	22 16 47	0.39	2 23	0.89	5 26
40	4 4 10	10 10 24	16 16 39	22 22 53	0.40	2 26	0.90	5 30
41	4 10 16	10 16 30	16 22 45	22 29 0	0.41	2 30	0.91	5 33
42	4 16 22	10 22 37	16 28 51	22 35 6	0.42	2 34	0.92	5 37
43	4 22 28	10 28 43	16 34 57	22 41 12	0.43	2 37	0.93	5 41
44	4 28 35	10 34 49	16 41 4	22 47 18	0.44	2 41	0.94	5 44
45	4 34 41	10 40 55	16 47 10	22 53 24	0.45	2 45	0.95	5 48
46	4 40 47	10 47 2	16 53 16	22 59 31	0.46	2 48	0.96	5 52
47	4 46 53	10 53 8	16 59 22	23 5 37	0.47	2 52	0.97	5 55
48	4 53 0	10 59 14	17 5 29	23 11 43	0.48	2 56	0.98	5 59
49	4 59 6	11 5 20	17 11 35	23 17 49	0.49	2 59	0.99	6 3
50	5 5 12	11 11 27	17 17 41	23 23 56	0.50	3 3	1.00	6 6
51	5 11 18	11 17 33	17 23 47	23 30 2				
52	5 17 25	11 23 39	17 29 54	23 36 8				
53	5 23 31	11 29 45	17 36 0	23 42 14				
54	5 29 37	11 35 52	17 42 6	23 48 21				
55	5 35 43	11 41 58	17 48 12	23 54 27				
56	5 41 50	11 48 4	17 54 19	24 0 33				
57	5 47 56	11 54 10	18 0 25	24 6 39				
58	5 54 2	12 0 17	18 6 31	24 12 46				
59	6 0 8	12 6 23	18 12 37	24 18 52				

Die Reduktion ist von der Sternzeit zu subtrahieren.

Verwandlung von mittlerer Zeit in Sternzeit

Red.	0m	1m	2m	3m	Red.
s	h m s	h m s	h m s	h m s	s
0	0 0 0.0	6 5 14.5	12 10 29.1	18 15 43.6	0
1	6 5.2	11 19.8	16 34.3	21 48.8	1
2	12 10.5	17 25.0	22 39.6	27 54.1	2
3	18 15.7	23 30.3	28 44.8	33 59.3	3
4	24 21.0	29 35.5	34 50.0	40 4.6	4
5	30 26.2	35 40.7	40 55.3	46 9.8	5
6	36 31.5	41 46.0	47 0.5	52 15.1	6
7	42 36.7	47 51.2	53 5.8	18 58 20.3	7
8	48 41.9	6 53 56.5	12 59 11.0	19 4 25.5	8
9	0 54 47.2	7 0 1.7	13 5 16.2	10 30.8	9
10	1 0 52.4	6 7.0	11 21.5	16 36.0	10
11	6 57.7	12 12.2	17 26.7	22 41.3	11
12	13 2.9	18 17.4	23 32.0	28 46.5	12
13	19 8.1	24 22.7	29 37.2	34 51.8	13
14	25 13.4	30 27.9	35 42.5	40 57.0	14
15	31 18.6	36 33.2	41 47.7	47 2.2	15
16	37 23.9	42 38.4	47 52.9	53 7.5	16
17	43 29.1	48 43.7	13 53 58.2	19 59 12.7	17
18	49 34.4	7 54 48.9	14 0 3.4	20 5 18.0	18
19	1 55 39.6	8 0 54.1	6 8.7	11 23.2	19
20	2 1 44.8	6 59.4	12 13.9	17 28.4	20
21	7 50.1	13 4.6	18 19.2	23 33.7	21
22	13 55.3	19 9.9	24 24.4	29 38.9	22
23	20 0.6	25 15.1	30 29.6	35 44.2	23
24	26 5.8	31 20.3	36 34.9	41 49.4	24
25	32 11.1	37 25.6	42 40.1	47 54.7	25
26	38 16.3	43 30.8	48 45.4	20 53 59.9	26
27	44 21.5	49 36.1	14 54 50.6	21 0 5.1	27
28	50 26.8	8 55 41.3	15 0 55.9	6 10.4	28
29	2 56 32.0	9 1 46.6	7 1.1	12 15.6	29
30	3 2 37.3	7 51.8	13 6.3	18 20.9	30
31	8 42.5	13 57.0	19 11.6	24 26.1	31
32	14 47.8	20 2.3	25 16.8	30 31.4	32
33	20 53.0	26 7.5	31 22.1	36 36.6	33
34	26 58.2	32 12.8	37 27.3	42 41.8	34
35	33 3.5	38 18.0	43 32.5	48 47.1	35
36	39 8.7	44 23.3	49 37.8	21 54 52.3	36
37	45 14.0	50 28.5	15 55 43.0	22 0 57.6	37
38	51 19.2	9 56 33.7	16 1 48.3	7 2.8	38
39	3 57 24.4	10 2 39.0	7 53.5	13 8.0	39
40	4 3 29.7	8 44.2	13 58.8	19 13.3	40
41	9 34.9	14 49.5	20 4.0	25 18.5	41
42	15 40.2	20 54.7	26 9.2	31 23.8	42
43	21 45.4	27 0.0	32 14.5	37 29.0	43
44	27 50.7	33 5.2	38 19.7	43 34.3	44
45	33 55.9	39 10.4	44 25.0	49 39.5	45
46	40 1.1	45 15.7	50 30.2	22 55 44.7	46
47	46 6.4	51 20.9	16 56 35.5	23 1 50.0	47
48	52 11.6	10 57 26.2	17 2 40.7	7 55.2	48
49	4 58 16.9	11 3 31.4	8 45.9	14 0.5	49
50	5 4 22.1	9 36.6	14 51.2	20 5.7	50
51	10 27.4	15 41.9	20 56.4	26 11.0	51
52	16 32.6	21 47.1	27 1.7	32 16.2	52
53	22 37.8	27 52.4	33 6.9	38 21.4	53
54	28 43.1	33 57.6	39 12.1	44 26.7	54
55	34 48.3	40 2.9	45 17.4	50 31.9	55
56	40 53.6	46 8.1	51 22.6	23 56 37.2	56
57	46 58.8	52 13.3	17 57 27.9	24 2 42.4	57
58	53 4.0	11 58 18.6	18 3 33.1	8 47.7	58
59	5 59 9.3	12 4 23.8	18 9 38.4	24 14 52.9	59

Red.		Red.	
s	m s	s	m s
0.00	0 0.0	0.50	3 2.6
01	3.7	51	6.3
02	7.3	52	9.9
03	11.0	53	13.6
04	14.6	54	17.2
0.05	18.3	0.55	20.9
06	21.9	56	24.5
07	25.6	57	28.2
08	29.2	58	31.8
09	32.9	59	35.5
0.10	36.5	0.60	39.1
11	40.2	61	42.8
12	43.8	62	46.5
13	47.5	63	50.1
14	51.1	64	53.8
0.15	54.8	0.65	3 57.4
16	0 58.4	66	4 1.1
17	1 2.1	67	4.7
18	5.7	68	8.4
19	9.4	69	12.0
0.20	13.0	0.70	15.7
21	16.7	71	19.3
22	20.4	72	23.0
23	24.0	73	26.6
24	27.7	74	30.3
0.25	31.3	0.75	33.9
26	35.0	76	37.6
27	38.6	77	41.2
28	42.3	78	44.9
29	45.9	79	48.5
0.30	49.6	0.80	52.2
31	53.2	81	55.8
32	1 56.9	82	4 59.5
33	2 0.5	83	5 3.2
34	4.2	84	6.8
0.35	7.8	0.85	10.5
36	11.5	86	14.1
37	15.1	87	17.8
38	18.8	88	21.4
39	22.4	89	25.1
0.40	26.1	0.90	28.7
41	29.7	91	32.4
42	33.4	92	36.0
43	37.1	93	39.7
44	40.7	94	43.3
0.45	44.4	0.95	47.0
46	48.0	96	50.6
47	51.7	97	54.3
48	55.3	98	5 57.9
0.49	2 59.0	0.99	6 1.6

Red.		Red.		Red.	
s	s	s	s	s	s
0.000		0.003		0.006	
	0.2		1.3		2.4
001		004		007	
	0.5		1.6		2.7
002		005		008	
	0.9		2.0		3.1
003		006		009	
	1.3		2.4		3.5
0.004		0.007		0.010	
					3.8

Die Reduktion ist zur mittleren Zeit zu addieren.

Red.	0m	1m	2m	3m	Red.
s	h m s	h m s	h m s	h m s	s
0	0 0 0.0	6 6 14.5	12 12 29.1	18 18 43.6	0
1	6 6.2	12 20.8	18 35.3	24 49.9	1
2	12 12.5	18 27.0	24 41.6	30 56.1	2
3	18 18.7	24 33.3	30 47.8	37 2.3	3
4	24 25.0	30 39.5	36 54.0	43 8.6	4
5	30 31.2	36 45.7	43 0.3	49 14.8	5
6	36 37.5	42 52.0	49 6.5	18 55 21.1	6
7	42 43.7	48 58.2	12 55 12.8	19 1 27.3	7
8	48 49.9	6 55 4.5	13 1 19.0	7 33.5	8
9	0 54 56.2	7 1 10.7	7 25.3	13 39.8	9
10	1 1 2.4	7 17.0	13 31.5	19 46.0	10
11	7 8.7	13 23.2	19 37.7	25 52.3	11
12	13 14.9	19 29.4	25 44.0	31 58.5	12
13	19 21.1	25 35.7	31 50.2	38 4.8	13
14	25 27.4	31 41.9	37 56.5	44 11.0	14
15	31 33.6	37 48.2	44 2.7	50 17.2	15
16	37 39.9	43 54.4	50 8.9	19 56 23.5	16
17	43 46.1	50 0.7	13 56 15.2	20 2 29.7	17
18	49 52.4	7 56 6.9	14 2 21.4	8 36.0	18
19	1 55 58.6	8 2 13.1	8 27.7	14 42.2	19
20	2 2 4.8	8 19.4	14 33.9	20 48.5	20
21	8 11.1	14 25.6	20 40.2	26 54.7	21
22	14 17.3	20 31.9	26 46.4	33 0.9	22
23	20 23.6	26 38.1	32 52.6	39 7.2	23
24	26 29.8	32 44.4	38 58.9	45 13.4	24
25	32 36.1	38 50.6	45 5.1	51 19.7	25
26	38 42.3	44 56.8	51 11.4	20 57 25.9	26
27	44 48.5	51 3.1	14 57 17.6	21 3 32.2	27
28	50 54.8	8 57 9.3	15 3 23.9	9 38.4	28
29	2 57 1.0	9 3 15.6	9 30.1	15 44.6	29
30	3 3 7.3	9 21.8	15 36.3	21 50.9	30
31	9 13.5	15 28.0	21 42.6	27 57.1	31
32	15 19.8	21 34.3	27 48.8	34 3.4	32
33	21 26.0	27 40.5	33 55.1	40 9.6	33
34	27 32.2	33 46.8	40 1.3	46 15.8	34
35	33 38.5	39 53.0	46 7.6	52 22.1	35
36	39 44.7	45 59.3	52 13.8	21 58 28.3	36
37	45 51.0	52 5.5	15 58 20.0	22 4 34.6	37
38	51 57.2	9 58 11.7	16 4 26.3	10 40.8	38
39	3 58 3.4	10 4 18.0	10 32.5	16 47.1	39
40	4 4 9.7	10 24.2	16 38.8	22 53.3	40
41	10 15.9	16 30.5	22 45.0	28 59.5	41
42	16 22.2	22 36.7	28 51.2	35 5.8	42
43	22 28.4	28 43.0	34 57.5	41 12.0	43
44	28 34.7	34 49.2	41 3.7	47 18.3	44
45	34 40.9	40 55.4	47 10.0	53 24.5	45
46	40 47.1	47 1.7	53 16.2	22 59 30.8	46
47	46 53.4	53 7.9	16 59 22.5	23 5 37.0	47
48	52 59.6	10 59 14.2	17 5 28.7	11 43.2	48
49	4 59 5.9	11 5 20.4	11 34.9	17 49.5	49
50	5 5 12.1	11 26.7	17 41.2	23 55.7	50
51	11 18.4	17 32.9	23 47.4	30 2.0	51
52	17 24.6	23 39.1	29 53.7	36 8.2	52
53	23 30.8	29 45.4	35 59.9	42 14.5	53
54	29 37.1	35 51.6	42 6.2	48 20.7	54
55	35 43.3	41 57.9	48 12.4	23 54 26.9	55
56	41 49.6	48 4.1	17 54 18.6	24 0 33.2	56
57	47 55.8	11 54 10.3	18 0 24.9	6 39.4	57
58	5 54 2.1	12 0 16.6	6 31.1	12 45.7	58
59	6 0 8.3	12 6 22.8	18 12 37.4	24 18 51.9	59

Red.		Red.	
s	m s	s	m s
0.00	0 0.0	0.50	3 3.1
01	3.7	51	6.8
02	7.3	52	10.4
03	11.0	53	14.1
04	14.6	54	17.8
0.05	18.3	0.55	21.4
06	22.0	56	25.1
07	25.6	57	28.8
08	29.3	58	32.4
09	33.0	59	36.1
0.10	36.6	0.60	39.7
11	40.3	61	43.4
12	43.9	62	47.1
13	47.6	63	50.7
14	51.3	64	54.4
0.15	54.9	0.65	3 58.1
16	0 58.6	66	4 1.7
17	1 2.3	67	5.4
18	5.9	68	9.0
19	9.6	69	12.7
0.20	13.2	0.70	16.4
21	16.9	71	20.0
22	20.6	72	23.7
23	24.2	73	27.4
24	27.9	74	31.0
0.25	31.6	0.75	34.7
26	35.2	76	38.3
27	38.9	77	42.0
28	42.5	78	45.7
29	46.2	79	49.3
0.30	49.9	0.80	53.0
31	53.5	81	4 56.7
32	1 57.2	82	5 0.3
33	2 0.9	83	4.0
34	4.5	84	7.6
0.35	8.2	0.85	11.3
36	11.8	86	15.0
37	15.5	87	18.6
38	19.2	88	22.3
39	22.8	89	26.0
0.40	26.5	0.90	29.6
41	30.2	91	33.3
42	33.8	92	36.9
43	37.5	93	40.6
44	41.1	94	44.3
0.45	44.8	0.95	47.9
46	48.5	96	51.6
47	52.1	97	55.3
48	55.8	98	5 58.9
0.49	2 59.5	0.99	6 2.6

Red.		Red.		Red.	
s	s	s	s	s	s
0.000		0.003		0.006	
	0.2		1.3		2.4
001		004		007	
	0.5		1.6		2.7
002		005		008	
	0.9		2.0		3.1
003		006		009	
	1.3		2.4		3.5
0.004		0.007		0.010	
					3.8

Die Reduktion ist von der Sternzeit zu subtrahieren.

m	0h d	1h d	2h d	3h d	4h d	5h d	s	d
0	0.000000	0.041667	0.083333	0.125000	0.166667	0.208333	0	0.000000
1	000694	042361	084028	125694	167361	209028	1	000012
2	001389	043056	084722	126389	168056	209722	2	000023
3	002083	043750	085417	127083	168750	210417	3	000035
4	002778	044444	086111	127778	169444	211111	4	000046
5	0.003472	0.045139	0.086806	0.128472	0.170139	0.211806	5	0.000058
6	004167	045833	087500	129167	170833	212500	6	000069
7	004861	046528	088194	129861	171528	213194	7	000081
8	005556	047222	088889	130556	172222	213889	8	000093
9	006250	047917	089583	131250	172917	214583	9	000104
10	0.006944	0.048611	0.090278	0.131944	0.173611	0.215278	10	0.000116
11	007639	049306	090972	132639	174306	215972	11	000127
12	008333	050000	091667	133333	175000	216667	12	000139
13	009028	050694	092361	134028	175694	217361	13	000150
14	009722	051389	093056	134722	176389	218056	14	000162
15	0.010417	0.052083	0.093750	0.135417	0.177083	0.218750	15	0.000174
16	011111	052778	094444	136111	177778	219444	16	000185
17	011806	053472	095139	136806	178472	220139	17	000197
18	012500	054167	095833	137500	179167	220833	18	000208
19	013194	054861	096528	138194	179861	221528	19	000220
20	0.013889	0.055556	0.097222	0.138889	0.180556	0.222222	20	0.000231
21	014583	056250	097917	139583	181250	222917	21	000243
22	015278	056944	098611	140278	181944	223611	22	000255
23	015972	057639	099306	140972	182639	224306	23	000266
24	016667	058333	100000	141667	183333	225000	24	000278
25	0.017361	0.059028	0.100694	0.142361	0.184028	0.225694	25	0.000289
26	018056	059722	101389	143056	184722	226389	26	000301
27	018750	060417	102083	143750	185417	227083	27	000313
28	019444	061111	102778	144444	186111	227778	28	000324
29	020139	061806	103472	145139	186806	228472	29	000336
30	0.020833	0.062500	0.104167	0.145833	0.187500	0.229167	30	0.000347
31	021528	063194	104861	146528	188194	229861	31	000359
32	022222	063889	105556	147222	188889	230556	32	000370
33	022917	064583	106250	147917	189583	231250	33	000382
34	023611	065278	106944	148611	190278	231944	34	000394
35	0.024306	0.065972	0.107639	0.149306	0.190972	0.232639	35	0.000405
36	025000	066667	108333	150000	191667	233333	36	000417
37	025694	067361	109028	150694	192361	234028	37	000428
38	026389	068056	109722	151389	193056	234722	38	000440
39	027083	068750	110417	152083	193750	235417	39	000451
40	0.027778	0.069444	0.111111	0.152778	0.194444	0.236111	40	0.000463
41	028472	070139	111806	153472	195139	236806	41	000475
42	029167	070833	112500	154167	195833	237500	42	000486
43	029861	071528	113194	154861	196528	238194	43	000498
44	030556	072222	113889	155556	197222	238889	44	000509
45	0.031250	0.072917	0.114583	0.156250	0.197917	0.239583	45	0.000521
46	031944	073611	115278	156944	198611	240278	46	000532
47	032639	074306	115972	157639	199306	240972	47	000544
48	033333	075000	116667	158333	200000	241667	48	000556
49	034028	075694	117361	159028	200694	242361	49	000567
50	0.034722	0.076389	0.118056	0.159722	0.201389	0.243056	50	0.000579
51	035417	077083	118750	160417	202083	243750	51	000590
52	036111	077778	119444	161111	202778	244444	52	000602
53	036806	078472	120139	161806	203472	245139	53	000613
54	037500	079167	120833	162500	204167	245833	54	000625
55	0.038194	0.079861	0.121528	0.163194	0.204861	0.246528	55	0.000637
56	038889	080556	122222	163889	205556	247222	56	000648
57	039583	081250	122917	164583	206250	247917	57	000660
58	040278	081944	123611	165278	206944	248611	58	000671
59	0.040972	0.082639	0.124306	0.165972	0.207639	0.249306	59	0.000683

m	6^h d	7^h d	8^h d	9^h d	10^h d	11^h d	s	d
0	0.250000	0.291667	0.333333	0.375000	0.416667	0.458333	0	0.000000
1	250694	292361	334028	375694	417361	459028	1	000012
2	251389	293056	334722	376389	418056	459722	2	000023
3	252083	293750	335417	377083	418750	460417	3	000035
4	252778	294444	336111	377778	419444	461111	4	000046
5	0.253472	0.295139	0.336806	0.378472	0.420139	0.461806	5	0.000058
6	254167	295833	337500	379167	420833	462500	6	000069
7	254861	296528	338194	379861	421528	463194	7	000081
8	255556	297222	338889	380556	422222	463889	8	000093
9	256250	297917	339583	381250	422917	464583	9	000104
10	0.256944	0.298611	0.340278	0.381944	0.423611	0.465278	10	0.000116
11	257639	299306	340972	382639	424306	465972	11	000127
12	258333	300000	341667	383333	425000	466667	12	000139
13	259028	300694	342361	384028	425694	467361	13	000150
14	259722	301389	343056	384722	426389	468056	14	000162
15	0.260417	0.302083	0.343750	0.385417	0.427083	0.468750	15	0.000174
16	261111	302778	344444	386111	427778	469444	16	000185
17	261806	303472	345139	386806	428472	470139	17	000197
18	262500	304167	345833	387500	429167	470833	18	000208
19	263194	304861	346528	388194	429861	471528	19	000220
20	0.263889	0.305556	0.347222	0.388889	0.430556	0.472222	20	0.000231
21	264583	306250	347917	389583	431250	472917	21	000243
22	265278	306944	348611	390278	431944	473611	22	000255
23	265972	307639	349306	390972	432639	474306	23	000266
24	266667	308333	350000	391667	433333	475000	24	000278
25	0.267361	0.309028	0.350694	0.392361	0.434028	0.475694	25	0.000289
26	268056	309722	351389	393056	434722	476389	26	000301
27	268750	310417	352083	393750	435417	477083	27	000313
28	269444	311111	352778	394444	436111	477778	28	000324
29	270139	311806	353472	395139	436806	478472	29	000336
30	0.270833	0.312500	0.354167	0.395833	0.437500	0.479167	30	0.000347
31	271528	313194	354861	396528	438194	479861	31	000359
32	272222	313889	355556	397222	438889	480556	32	000370
33	272917	314583	356250	397917	439583	481250	33	000382
34	273611	315278	356944	398611	440278	481944	34	000394
35	0.274306	0.315972	0.357639	0.399306	0.440972	0.482639	35	0.000405
36	275000	316667	358333	400000	441667	483333	36	000417
37	275694	317361	359028	400694	442361	484028	37	000428
38	276389	318056	359722	401389	443056	484722	38	000440
39	277083	318750	360417	402083	443750	485417	39	000451
40	0.277778	0.319444	0.361111	0.402778	0.444444	0.486111	40	0.000463
41	278472	320139	361806	403472	445139	486806	41	000475
42	279167	320833	362500	404167	445833	487500	42	000486
43	279861	321528	363194	404861	446528	488194	43	000498
44	280556	322222	363889	405556	447222	488889	44	000509
45	0.281250	0.322917	0.364583	0.406250	0.447917	0.489583	45	0.000521
46	281944	323611	365278	406944	448611	490278	46	000532
47	282639	324306	365972	407639	449306	490972	47	000544
48	283333	325000	366667	408333	450000	491667	48	000556
49	284028	325694	367361	409028	450694	492361	49	000567
50	0.284722	0.326389	0.368056	0.409722	0.451389	0.493056	50	0.000579
51	285417	327083	368750	410417	452083	493750	51	000590
52	286111	327778	369444	411111	452778	494444	52	000602
53	286806	328472	370139	411806	453472	495139	53	000613
54	287500	329167	370833	412500	454167	495833	54	000625
55	0.288194	0.329861	0.371528	0.413194	0.454861	0.496528	55	0.000637
56	288889	330556	372222	413889	455556	497222	56	000648
57	289583	331250	372917	414583	456250	497917	57	000660
58	290278	331944	373611	415278	456944	498611	58	000671
59	0.290972	0.332639	0.374306	0.415972	0.457639	0.499306	59	0.000683

I. Anzahl der am o. Januar, 12^h Welt-Zeit, seit Anfang der Periode verflossenen Tage

Jahr n. Chr.	0	100	200	300	400	500	600	700	800	900
	17	17	17	18	18	19	19	19	20	20
0	21057	57582	94107	30632	67157	03682	40207	76732	13257	49782
4	22518	59043	95568	32093	68618	05143	41668	78193	14718	51243
8	23979	60504	97029	33554	70079	06604	43129	79654	16179	52704
12	25440	61965	98490	35015	71540	08065	44590	81115	17640	54165
16	26901	63426	99951	36476	73001	09526	46051	82576	19101	55626
20	28362	64887	01412	37937	74462	10987	47512	84037	20562	57087
24	29823	66348	02873	39398	75923	12448	48973	85498	22023	58548
28	31284	67809	04334	40859	77384	13909	50434	86959	23484	60009
32	32745	69270	05795	42320	78845	15370	51895	88420	24945	61470
36	34206	70731	07256	43781	80306	16831	53356	89881	26406	62931
40	35667	72192	08717	45242	81767	18292	54817	91342	27867	64392
44	37128	73653	10178	46703	83228	19753	56278	92803	29328	65853
48	38589	75114	11639	48164	84689	21214	57739	94264	30789	67314
52	40050	76575	13100	49625	86150	22675	59200	95725	32250	68775
56	41511	78036	14561	51086	87611	24136	60661	97186	33711	70236
60	42972	79497	16022	52547	89072	25597	62122	98647	35172	71697
64	44433	80958	17483	54008	90533	27058	63583	00108	36633	73158
68	45894	82419	18944	55469	91994	28519	65044	01569	38094	74619
72	47355	83880	20405	56930	93455	29980	66505	03030	39555	76080
76	48816	85341	21866	58391	94916	31441	67966	04491	41016	77541
80	50277	86802	23327	59852	96377	32902	69427	05952	42477	79002
84	51738	88263	24788	61313	97838	34363	70888	07413	43938	80463
88	53199	89724	26249	62774	99299	35824	72349	08874	45399	81924
92	54660	91185	27710	64235	00760	37285	73810	10335	46860	83385
96	56121	92646	29171	65696	02221	38746	75271	11796	48321	84846
100	57582	94107	30632	67157	03682	40207	76732	13257	49782	86307
	17	17	18	18	19	19	19	20	20	20

Ia. Anzahl der am o. eines jeden Monats, 12^h Welt-Zeit, seit Beginn der Schaltperiode verflossenen Tage

Jahr	Jan. o	Febr. o	März o	April o	Mai o	Juni o	Juli o	Aug. o	Sept. o	Okt. o	Nov. o	Dez. o
0	0	31	60	91	121	152	182	213	244	274	305	335
1	366	397	425	456	486	517	547	578	609	639	670	700
2	731	762	790	821	851	882	912	943	974	1004	1035	1065
3	1096	1127	1155	1186	1216	1247	1277	1308	1339	1369	1400	1430

I. Anzahl der am o. Januar, 12^h Welt-Zeit, seit Anfang der Periode verflossenen Tage

Jahr n. Chr.	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900
	20	21	21	21	22	22	23	23	23	24
0	86307	22832	59357	95882	32407	68932	05447	41971[1]	78495[1]	15019[1]
4	87768	24293	60818	97343	33868	70393	06908	43432	79956	16480
8	89229	25754	62279	98804	35329	71854	08369	44893	81417	17941
12	90690	27215	63740	00265	36790	73315	09830	46354	82878	19402
16	92151	28676	65201	01726	38251	74776	11291	47815	84339	20863
20	93612	30137	66662	03187	39712	76237	12752	49276	85800	22324
24	95073	31598	68123	04648	41173	77698	14213	50737	87261	23785
28	96534	33059	69584	06109	42634	79159	15674	52198	88722	25246
32	97995	34520	71045	07570	44095	80620	17135	53659	90183	26707
36	99456	35981	72506	09031	45556	82081	18596	55120	91644	28168
40	00917	37442	73967	10492	47017	83542	20057	56581	93105	29629
44	02378	38903	75428	11953	48478	85003	21518	58042	94566	31090
48	03839	40364	76889	13414	49939	86464	22979	59503	96027	32551
52	05300	41825	78350	14875	51400	87925	24440	60964	97488	34012
56	06761	43286	79811	16336	52861	89386	25901	62425	98949	35473
60	08222	44747	81272	17797	54322	90847	27362	63886	00410	36934
64	09683	46208	82733	19258	55783	92308	28823	65347	01871	38395
68	11144	47669	84194	20719	57244	93769	30284	66808	03332	39856
72	12605	49130	85655	22180	58705	95230	31745	68269	04793	41317
76	14066	50591	87116	23641	60166	96691	33206	69730	06254	42778
80	15527	52052	88577	25102	61627	98152	34667	71191	07715	44239
84	16988	53513	90038	26563	63088	99603	36128	72652	09176	45700
88	18449	54974	91499	28024	64549	01064	37589	74113	10637	47161
92	19910	56435	92960	29485	66010	02525	39050	75574	12098	48622
96	21371	57896	94421	30946	67471	03986	40511	77035	13559	50083
100	22832	59357	95882	32407	68932	05447	41971[1]	78495[1]	15019[1]	51544
	21	21	21	22	22	23	23	23	24	24

[1]) Die Zahlen geben die am —1. Jan. seit Anfang der Periode verflossenen Tage

Ia. Anzahl der am o. eines jeden Monats, 12^h Welt-Zeit, seit Beginn der Schaltperiode verflossenen Tage

Jahr	Jan. 0	Febr. 0	März 0	April 0	Mai 0	Juni 0	Juli 0	Aug. 0	Sept. 0	Okt. 0	Nov. 0	Dez. 0
0	0[2])	31[2])	60	91	121	152	182	213	244	274	305	335
1	366	397	425	456	486	517	547	578	609	639	670	700
2	731	762	790	821	851	882	912	943	974	1004	1035	1065
3	1096	1127	1155	1186	1216	1247	1277	1308	1339	1369	1400	1430

Von 1582 Okt. 15 bis 1583 Dez. 31 sind die Zahlen der Tafel Ia um 10 zu verkleinern.

[2]) In den Jahren 1700, 1800, 1900 um 1 zu vergrößern.

Julianische Periode

II. Anzahl der am 0. eines jeden Monats, 12h Welt-Zeit, seit Beginn der Periode verflossenen Tage

Jahr n. Chr.	Januar 0	Febr. 0	März 0	April 0	Mai 0	Juni 0	Juli 0	Aug. 0	Sept. 0	Okt. 0	Nov. 0	Dez. 0
1860	2400 410	441	470	501	531	562	592	623	654	684	715	745
1861	776	807	835	866	896	927	957	988	*019	*049	*080	*110
1862	2401 141	172	200	231	261	292	322	353	384	414	445	475
1863	506	537	565	596	626	657	687	718	749	779	810	840
1864	871	902	931	962	992	*023	*053	*084	*115	*145	*176	*206
1865	2402 237	268	296	327	357	388	418	449	480	510	541	571
1866	602	633	661	692	722	753	783	814	845	875	906	936
1867	967	998	*026	*057	*087	*118	*148	*179	*210	*240	*271	*301
1868	2403 332	363	392	423	453	484	514	545	576	606	637	667
1869	698	729	757	788	818	849	879	910	941	971	*002	*032
1870	2404 063	094	122	153	183	214	244	275	306	336	367	397
1871	428	459	487	518	548	579	609	640	671	701	732	762
1872	793	824	853	884	914	945	975	*006	*037	*067	*098	*128
1873	2405 159	190	218	249	279	310	340	371	402	432	463	493
1874	524	555	583	614	644	675	705	736	767	797	828	858
1875	889	920	948	979	*009	*040	*070	*101	*132	*162	*193	*223
1876	2406 254	285	314	345	375	406	436	467	498	528	559	589
1877	620	651	679	710	740	771	801	832	863	893	924	954
1878	985	*016	*044	*075	*105	*136	*166	*197	*228	*258	*289	*319
1879	2407 350	381	409	440	470	501	531	562	593	623	654	684
1880	715	746	775	806	836	867	897	928	959	989	*020	*050
1881	2408 081	112	140	171	201	232	262	293	324	354	385	415
1882	446	477	505	536	566	597	627	658	689	719	750	780
1883	811	842	870	901	931	962	992	*023	*054	*084	*115	*145
1884	2409 176	207	236	267	297	328	358	389	420	450	481	511
1885	542	573	601	632	662	693	723	754	785	815	846	876
1886	907	938	966	997	*027	*058	*088	*119	*150	*180	*211	*241
1887	2410 272	303	331	362	392	423	453	484	515	545	576	606
1888	637	668	697	728	758	789	819	850	881	911	942	972
1889	2411 003	034	062	093	123	154	184	215	246	276	307	337
1890	368	399	427	458	488	519	549	580	611	641	672	702
1891	733	764	792	823	853	884	914	945	976	*006	*037	*067
1892	2412 098	129	158	189	219	250	280	311	342	372	403	433
1893	464	495	523	554	584	615	645	676	707	737	768	798
1894	829	860	888	919	949	980	*010	*041	*072	*102	*133	*163
1895	2413 194	225	253	284	314	345	375	406	437	467	498	528
1896	559	590	619	650	680	711	741	772	803	833	864	894
1897	925	956	984	*015	*045	*076	*106	*137	*168	*198	*229	*259
1898	2414 290	321	349	380	410	441	471	502	533	563	594	624
1899	655	686	714	745	775	806	836	867	898	928	959	989

Julianische Periode

II. Anzahl der am 0. eines jeden Monats, 12^h Welt-Zeit, seit Beginn der Periode verflossenen Tage

Jahr n. Chr.	Januar 0	Febr. 0	März 0	April 0	Mai 0	Juni 0	Juli 0	Aug. 0	Sept. 0	Okt. 0	Nov. 0	Dez. 0
1900	2415 020	051	079	110	140	171	201	232	263	293	324	354
1901	385	416	444	475	505	536	566	597	628	658	689	719
1902	750	781	809	840	870	901	931	962	993	*023	*054	*084
1903	2416 115	146	174	205	235	266	296	327	358	388	419	449
1904	480	511	540	571	601	632	662	693	724	754	785	815
1905	846	877	905	936	966	997	*027	*058	*089	*119	*150	*180
1906	2417 211	242	270	301	331	362	392	423	454	484	515	545
1907	576	607	635	666	696	727	757	788	819	849	880	910
1908	941	972	*001	*032	*062	*093	*123	*154	*185	*215	*246	*276
1909	2418 307	338	366	397	427	458	488	519	550	580	611	641
1910	672	703	731	762	792	823	853	884	915	945	976	*006
1911	2419 037	068	096	127	157	188	218	249	280	310	341	371
1912	402	433	462	493	523	554	584	615	646	676	707	737
1913	768	799	827	858	888	919	949	980	*011	*041	*072	*102
1914	2420 133	164	192	223	253	284	314	345	376	406	437	467
1915	498	529	557	588	618	649	679	710	741	771	802	832
1916	863	894	923	954	984	*015	*045	*076	*107	*137	*168	*198
1917	2421 229	260	288	319	349	380	410	441	472	502	533	563
1918	594	625	653	684	714	745	775	806	837	867	898	928
1919	959	990	*018	*049	*079	*110	*140	*171	*202	*232	*263	*293
1920	2422 324	355	384	415	445	476	506	537	568	598	629	659
1921	690	721	749	780	810	841	871	902	933	963	994	*024
1922	2423 055	086	114	145	175	206	236	267	298	328	359	389
1923	420	451	479	510	540	571	601	632	663	693	724	754
1924	785	816	845	876	906	937	967	998	*029	*059	*090	*120
1925	2424 151	182	210	241	271	302	332	363	394	424	455	485
1926	516	547	575	606	636	667	697	728	759	789	820	850
1927	881	912	940	971	*001	*032	*062	*093	*124	*154	*185	*215
1928	2425 246	277	306	337	367	398	428	459	490	520	551	581
1929	612	643	671	702	732	763	793	824	855	885	916	946
1930	977	*008	*036	*067	*097	*128	*158	*189	*220	*250	*281	*311
1931	2426 342	373	401	432	462	493	523	554	585	615	646	676
1932	707	738	767	798	828	859	889	920	951	981	*012	*042
1933	2427 073	104	132	163	193	224	254	285	316	346	377	407
1934	438	469	497	528	558	589	619	650	681	711	742	772
1935	803	834	862	893	923	954	984	*015	*046	*076	*107	*137
1936	2428 168	199	228	259	289	320	350	381	412	442	473	503
1937	534	565	593	624	654	685	715	746	777	807	838	868
1938	899	930	958	989	*019	*050	*080	*111	*142	*172	*203	*233
1939	2429 264	295	323	354	384	415	445	476	507	537	568	598

Julianische Periode

II. Anzahl der am 0. eines jeden Monats, 12^h Welt-Zeit, seit Beginn der Periode verflossenen Tage

Jahr n. Chr.	Januar 0		Febr. 0	März 0	April 0	Mai 0	Juni 0	Juli 0	Aug. 0	Sept. 0	Okt. 0	Nov. 0	Dez. 0
1940	2429	629	660	689	720	750	781	811	842	873	903	934	964
1941		995	*026	*054	*085	*115	*146	*176	*207	*238	*268	*299	*329
1942	2430	360	391	419	450	480	511	541	572	603	633	664	694
1943		725	756	784	815	845	876	906	937	968	998	*029	*059
1944	2431	090	121	150	181	211	242	272	303	334	364	395	425
1945		456	487	515	546	576	607	637	668	699	729	760	790
1946		821	852	880	911	941	972	*002	*033	*064	*094	*125	*155
1947	2432	186	217	245	276	306	337	367	398	429	459	490	520
1948		551	582	611	642	672	703	733	764	795	825	856	886
1949		917	948	976	*007	*037	*068	*098	*129	*160	*190	*221	*251
1950	2433	282	313	341	372	402	433	463	494	525	555	586	616
1951		647	678	706	737	767	798	828	859	890	920	951	981
1952	2434	012	043	072	103	133	164	194	225	256	286	317	347
1953		378	409	437	468	498	529	559	590	621	651	682	712
1954		743	774	802	833	863	894	924	955	986	*016	*047	*077
1955	2435	108	139	167	198	228	259	289	320	351	381	412	442
1956		473	504	533	564	594	625	655	686	717	747	778	808
1957		839	870	898	929	959	990	*020	*051	*082	*112	*143	*173
1958	2436	204	235	263	294	324	355	385	416	447	477	508	538
1959		569	600	628	659	689	720	750	781	812	842	873	903
1960		934	965	994	*025	*055	*086	*116	*147	*178	*208	*239	*269
1961	2437	300	331	359	390	420	451	481	512	543	573	604	634
1962		665	696	724	755	785	816	846	877	908	938	969	999
1963	2438	030	061	089	120	150	181	211	242	273	303	334	364
1964		395	426	455	486	516	547	577	608	639	669	700	730
1965		761	792	820	851	881	912	942	973	*004	*034	*065	*095
1966	2439	126	157	185	216	246	277	307	338	369	399	430	460
1967		491	522	550	581	611	642	672	703	734	764	795	825
1968		856	887	916	947	977	*008	*038	*069	*100	*130	*161	*191
1969	2440	222	253	281	312	342	373	403	434	465	495	526	556
1970		587	618	646	677	707	738	768	799	830	860	891	921
1971		952	983	*011	*042	*072	*103	*133	*164	*195	*225	*256	*286
1972	2441	317	348	377	408	438	469	499	530	561	591	622	652
1973		683	714	742	773	803	834	864	895	926	956	987	*017
1974	2442	048	079	107	138	168	199	229	260	291	321	352	382
1975		413	444	472	503	533	564	594	625	656	686	717	747
1976		778	809	838	869	899	930	960	991	*022	*052	*083	*113
1977	2443	144	175	203	234	264	295	325	356	387	417	448	478
1978		509	540	568	599	629	660	690	721	752	782	813	843
1979	2443	874	905	933	964	994	*025	*055	*086	*117	*147	*178	*208

′ ″	°	′ ″	°	″	°	″	°
0 0.0	0.000	3 0.0	0.050	0.000	0.00000	1.800	0.00050
3.6	01	3.6	51	036	01	836	51
7.2	02	7.2	52	072	02	872	52
10.8	03	10.8	53	108	03	908	53
14.4	04	14.4	54	144	04	944	54
0 18.0	0.005	3 18.0	0.055	0.180	0.00005	1.980	0.00055
21.6	06	21.6	56	216	06	2.016	56
25.2	07	25.2	57	252	07	052	57
28.8	08	28.8	58	288	08	088	58
32.4	09	32.4	59	324	09	124	59
0 36.0	0.010	3 36.0	0.060	0.360	0.00010	2.160	0.00060
39.6	11	39.6	61	396	11	196	61
43.2	12	43.2	62	432	12	232	62
46.8	13	46.8	63	468	13	268	63
50.4	14	50.4	64	504	14	304	64
54.0	0.015	54.0	0.065	0.540	0.00015	2.340	0.00065
0 57.6	16	3 57.6	66	576	16	376	66
1 1.2	17	4 1.2	67	612	17	412	67
4.8	18	4.8	68	648	18	448	68
8.4	19	8.4	69	684	19	484	69
1 12.0	0.020	4 12.0	0.070	0.720	0.00020	2.520	0.00070
15.6	21	15.6	71	756	21	556	71
19.2	22	19.2	72	792	22	592	72
22.8	23	22.8	73	828	23	628	73
26.4	24	26.4	74	864	24	664	74
1 30.0	0.025	4 30.0	0.075	0.900	0.00025	2.700	0.00075
33.6	26	33.6	76	936	26	736	76
37.2	27	37.2	77	0.972	27	772	77
40.8	28	40.8	78	1.008	28	808	78
44.4	29	44.4	79	044	29	844	79
1 48.0	0.030	4 48.0	0.080	1.080	0.00030	2.880	0.00080
51.6	31	51.6	81	116	31	916	81
55.2	32	55.2	82	152	32	952	82
1 58.8	33	4 58.8	83	188	33	2.988	83
2 2.4	34	5 2.4	84	224	34	3.024	84
6.0	0.035	6.0	0.085	1.260	0.00035	060	0.00085
9.6	36	9.6	86	296	36	096	86
13.2	37	13.2	87	332	37	132	87
16.8	38	16.8	88	368	38	168	88
20.4	39	20.4	89	404	39	204	89
2 24.0	0.040	5 24.0	0.090	1.440	0.00040	3.240	0.00090
27.6	41	27.6	91	476	41	276	91
31.2	42	31.2	92	512	42	312	92
34.8	43	34.8	93	548	43	348	93
38.4	44	38.4	94	584	44	384	94
2 42.0	0.045	5 42.0	0.095	1.620	0.00045	3.420	0.00095
45.6	46	45.6	96	656	46	456	96
49.2	47	49.2	97	692	47	492	97
52.8	48	52.8	98	728	48	528	98
2 56.4	49	5 56.4	99	764	49	564	99
3 0.0	0.050	6 0.0	0.100	1.800	0.00050	3.600	0.00100

δ \ φ	+30°	+32°	+34°	+36°	+38°	+40°	+42°	+44°	+46°	+48°	+50°
°	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m
−30	4 45.4	4 38.8	4 31.8	4 24.4	4 16.5	4 8.1	3 58.9	3 48.9	3 37.9	3 25.7	3 11.8
29	4 48.6	4 42.3	4 35.6	4 28.6	4 21.1	4 13.0	4 4.3	3 54.9	3 44.5	3 33.0	3 20.1
28	4 51.7	4 45.7	4 39.3	4 32.6	4 25.5	4 17.8	4 9.6	4 0.7	3 50.9	3 40.1	3 28.0
27	4 54.7	4 49.0	4 42.9	4 36.5	4 29.8	4 22.5	4 14.7	4 6.2	3 57.0	3 46.9	3 35.5
26	4 57.7	4 52.2	4 46.5	4 40.4	4 33.9	4 27.1	4 19.7	4 11.7	4 3.0	3 53.4	3 42.8
25	5 0.6	4 55.4	4 49.9	4 44.2	4 38.0	4 31.5	4 24.5	4 16.9	4 8.7	3 59.7	3 49.7
24	5 3.5	4 58.5	4 53.3	4 47.8	4 42.0	4 35.8	4 29.2	4 22.0	4 14.3	4 5.8	3 56.5
23	5 6.3	5 1.6	4 56.6	4 51.4	4 45.9	4 40.1	4 33.8	4 27.0	4 19.7	4 11.8	4 3.0
22	5 9.0	5 4.6	4 59.9	4 55.0	4 49.7	4 44.2	4 38.3	4 31.9	4 25.0	4 17.5	4 9.3
21	5 11.7	5 7.5	5 3.1	4 58.4	4 53.5	4 48.3	4 42.7	4 36.7	4 30.2	4 23.2	4 15.4
−20	5 14.4	5 10.4	5 6.2	5 1.8	4 57.2	4 52.3	4 47.0	4 41.3	4 35.3	4 28.7	4 21.4
19	5 17.0	5 13.3	5 9.3	5 5.2	5 0.8	4 56.2	4 51.2	4 45.9	4 40.2	4 34.0	4 27.3
18	5 19.6	5 16.1	5 12.4	5 8.5	5 4.4	5 0.0	4 55.4	4 50.4	4 45.1	4 39.3	4 33.0
17	5 22.2	5 18.9	5 15.4	5 11.7	5 7.9	5 3.8	4 59.5	4 54.9	4 49.9	4 44.5	4 38.6
16	5 24.7	5 21.6	5 18.4	5 14.9	5 11.4	5 7.5	5 3.5	4 59.2	4 54.6	4 49.5	4 44.1
15	5 27.2	5 24.3	5 21.3	5 18.1	5 14.8	5 11.2	5 7.5	5 3.5	4 59.2	4 54.5	4 49.5
14	5 29.7	5 27.0	5 24.2	5 21.3	5 18.2	5 14.9	5 11.4	5 7.7	5 3.7	4 59.5	4 54.8
13	5 32.1	5 29.7	5 27.1	5 24.4	5 21.5	5 18.5	5 15.3	5 11.9	5 8.2	5 4.3	5 0.0
12	5 34.6	5 32.3	5 29.9	5 27.4	5 24.8	5 22.1	5 19.1	5 16.0	5 12.6	5 9.0	5 5.1
11	5 37.0	5 34.9	5 32.7	5 30.5	5 28.1	5 25.6	5 22.9	5 20.1	5 17.0	5 13.7	5 10.2
−10	5 39.4	5 37.5	5 35.5	5 33.5	5 31.3	5 29.1	5 26.7	5 24.1	5 21.4	5 18.4	5 15.2
9	5 41.7	5 40.1	5 38.3	5 36.5	5 34.6	5 32.5	5 30.4	5 28.1	5 25.7	5 23.0	5 20.2
8	5 44.1	5 42.6	5 41.1	5 39.5	5 37.8	5 36.0	5 34.1	5 32.1	5 29.9	5 27.6	5 25.1
7	5 46.4	5 45.2	5 43.8	5 42.4	5 41.0	5 39.4	5 37.8	5 36.0	5 34.2	5 32.2	5 30.0
6	5 48.8	5 47.7	5 46.6	5 45.4	5 44.1	5 42.8	5 41.4	5 40.0	5 38.4	5 36.7	5 34.9
5	5 51.1	5 50.2	5 49.3	5 48.3	5 47.3	5 46.2	5 45.1	5 43.9	5 42.6	5 41.2	5 39.7
4	5 53.4	5 52.7	5 52.0	5 51.2	5 50.4	5 49.6	5 48.7	5 47.8	5 46.8	5 45.7	5 44.5
3	5 55.8	5 55.2	5 54.7	5 54.1	5 53.6	5 53.0	5 52.3	5 51.6	5 50.9	5 50.1	5 49.3
2	5 58.1	5 57.7	5 57.4	5 57.1	5 56.7	5 56.3	5 55.9	5 55.5	5 55.1	5 54.6	5 54.1
− 1	6 0.4	6 0.2	6 0.1	6 0.0	5 59.8	5 59.7	5 59.5	5 59.4	5 59.2	5 59.0	5 58.9
0	6 2.7	6 2.7	6 2.8	6 2.9	6 2.9	6 3.0	6 3.1	6 3.2	6 3.4	6 3.5	6 3.6
+ 1	6 5.0	6 5.2	6 5.5	6 5.8	6 6.1	6 6.4	6 6.7	6 7.1	6 7.5	6 7.9	6 8.4
2	6 7.3	6 7.7	6 8.2	6 8.7	6 9.2	6 9.8	6 10.3	6 11.0	6 11.6	6 12.4	6 13.2
3	6 9.6	6 10.3	6 10.9	6 11.6	6 12.3	6 13.1	6 14.0	6 14.8	6 15.8	6 16.8	6 18.0
4	6 11.9	6 12.8	6 13.6	6 14.5	6 15.5	6 16.5	6 17.6	6 18.7	6 20.0	6 21.3	6 22.8
5	6 14.3	6 15.3	6 16.4	6 17.5	6 18.6	6 19.9	6 21.2	6 22.6	6 24.2	6 25.8	6 27.6
6	6 16.6	6 17.8	6 19.1	6 20.4	6 21.8	6 23.3	6 24.9	6 26.6	6 28.4	6 30.4	6 32.5
7	6 19.0	6 20.4	6 21.8	6 23.4	6 25.0	6 26.7	6 28.6	6 30.5	6 32.6	6 34.9	6 37.4
8	6 21.3	6 22.9	6 24.6	6 26.4	6 28.2	6 30.2	6 32.3	6 34.5	6 36.9	6 39.5	6 42.3
9	6 23.7	6 25.5	6 27.4	6 29.4	6 31.4	6 33.7	6 36.0	6 38.5	6 41.2	6 44.1	6 47.3
10	6 26.1	6 28.1	6 30.2	6 32.4	6 34.7	6 37.2	6 39.8	6 42.5	6 45.6	6 48.8	6 52.3
+11	6 28.5	6 30.7	6 33.0	6 35.4	6 38.0	6 40.7	6 43.6	6 46.6	6 49.9	6 53.5	6 57.4
12	6 31.0	6 33.4	6 35.9	6 38.5	6 41.3	6 44.3	6 47.4	6 50.8	6 54.4	6 58.3	7 2.5
13	6 33.4	6 36.0	6 38.8	6 41.6	6 44.7	6 47.9	6 51.3	6 54.9	6 58.9	7 3.1	7 7.8
14	6 35.9	6 38.7	6 41.7	6 44.8	6 48.0	6 51.5	6 55.2	6 59.2	7 3.4	7 8.0	7 13.1
15	6 38.4	6 41.4	6 44.6	6 47.9	6 51.5	6 55.2	6 59.2	7 3.5	7 8.1	7 13.0	7 18.5
16	6 41.0	6 44.2	6 47.6	6 51.2	6 54.9	6 58.9	7 3.2	7 7.8	7 12.7	7 18.1	7 23.9
17	6 43.5	6 47.0	6 50.6	6 54.4	6 58.5	7 2.7	7 7.3	7 12.2	7 17.5	7 23.3	7 29.5
18	6 46.1	6 49.8	6 53.7	6 57.7	7 2.0	7 6.6	7 11.5	7 16.7	7 22.4	7 28.5	7 35.3
19	6 48.8	6 52.7	6 56.8	7 1.1	7 5.7	7 10.5	7 15.7	7 21.3	7 27.4	7 33.9	7 41.1
20	6 51.5	6 55.6	6 59.9	7 4.5	7 9.4	7 14.5	7 20.1	7 26.0	7 32.4	7 39.4	7 47.1
+21	6 54.2	6 58.6	7 3.1	7 8.0	7 13.1	7 18.6	7 24.5	7 30.8	7 37.6	7 45.1	7 53.3
22	6 56.9	7 1.6	7 6.4	7 11.5	7 17.0	7 22.8	7 29.0	7 35.7	7 42.9	7 50.9	7 59.6
23	6 59.8	7 4.6	7 9.7	7 15.1	7 20.9	7 27.0	7 33.6	7 40.7	7 48.4	7 56.8	8 6.1
24	7 2.6	7 7.7	7 13.1	7 18.8	7 24.9	7 31.3	7 38.3	7 45.8	7 54.0	8 2.9	8 12.9
25	7 5.6	7 10.9	7 16.6	7 22.6	7 29.0	7 35.8	7 43.1	7 51.1	7 59.8	8 9.3	8 19.9
26	7 8.5	7 14.2	7 20.1	7 26.4	7 33.2	7 40.4	7 48.1	7 56.5	8 5.7	8 15.8	8 27.1
27	7 11.6	7 17.5	7 23.8	7 30.4	7 37.5	7 45.0	7 53.2	8 2.1	8 11.8	8 22.6	8 34.7
28	7 14.7	7 20.9	7 27.5	7 34.4	7 41.9	7 49.9	7 58.5	8 7.9	8 18.2	8 29.7	8 42.6
29	7 17.9	7 24.4	7 31.3	7 38.6	7 46.4	7 54.8	8 3.9	8 13.9	8 24.8	8 37.1	8 51.0
+30	7 21.2	7 28.0	7 35.2	7 42.9	7 51.1	7 59.9	8 9.5	8 20.1	8 31.7	8 44.8	8 59.7

δ \ φ	+50°	+51°	+52°	+53°	+54°	+55°	+56°	+57°	+58°	+59°	+60°
°	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m
−30	3 11.8	3 4.1	2 55.8	2 46.8	2 36.9	2 25.9	2 13.5	1 59.3	1 42.4	1 21.1	0 49.7
29	3 20.1	3 12.9	3 5.3	2 57.0	2 48.0	2 38.1	2 27.1	2 14.7	2 0.4	1 43.4	1 21.9
28	3 28.0	3 21.3	3 14.2	3 6.6	2 58.3	2 49.3	2 39.4	2 28.4	2 15.9	2 1.6	1 44.5
27	3 35.5	3 29.3	3 22.7	3 15.7	3 8.0	2 59.8	2 50.8	2 40.8	2 29.8	2 17.3	2 2.9
26	3 42.8	3 37.0	3 30.8	3 24.2	3 17.2	3 9.6	3 1.4	2 52.4	2 42.4	2 31.3	2 18.8
25	3 49.7	3 44.3	3 38.6	3 32.4	3 25.9	3 18.9	3 11.3	3 3.1	2 54.1	2 44.1	2 33.0
24	3 56.5	3 51.4	3 46.0	3 40.3	3 34.3	3 27.8	3 20.8	3 13.2	3 5.0	2 56.0	2 46.0
23	4 3.0	3 58.2	3 53.2	3 47.9	3 42.3	3 36.2	3 29.8	3 22.8	3 15.3	3 7.1	2 58.0
22	4 9.3	4 4.9	4 0.2	3 55.2	3 50.0	3 44.3	3 38.4	3 31.9	3 25.0	3 17.5	3 9.3
21	4 15.4	4 11.3	4 6.9	4 2.3	3 57.4	3 52.2	3 46.6	3 40.7	3 34.3	3 27.4	3 19.9
−20	4 21.4	4 17.5	4 13.5	4 9.1	4 4.6	3 59.8	3 54.6	3 49.1	3 43.2	3 36.9	3 30.0
19	4 27.3	4 23.7	4 19.9	4 15.8	4 11.6	4 7.1	4 2.3	3 57.2	3 51.8	3 45.9	3 39.6
18	4 33.0	4 29.6	4 26.1	4 22.3	4 18.4	4 14.2	4 9.8	4 5.1	4 0.1	3 54.7	3 48.9
17	4 38.6	4 35.4	4 32.1	4 28.7	4 25.0	4 21.1	4 17.0	4 12.7	4 8.1	4 3.1	3 57.8
16	4 44.1	4 41.2	4 38.1	4 34.9	4 31.5	4 27.9	4 24.1	4 20.1	4 15.9	4 11.3	4 6.4
15	4 49.5	4 46.8	4 43.9	4 41.0	4 37.8	4 34.5	4 31.0	4 27.4	4 23.4	4 19.3	4 14.8
14	4 54.8	4 52.3	4 49.7	4 46.9	4 44.1	4 41.0	4 37.8	4 34.4	4 30.8	4 27.0	4 22.9
13	5 0.0	4 57.7	4 55.3	4 52.8	4 50.2	4 47.4	4 44.5	4 41.4	4 38.1	4 34.6	4 30.9
12	5 5.1	5 3.0	5 0.9	4 58.6	4 56.2	4 53.7	4 51.0	4 48.2	4 45.2	4 42.0	4 38.7
11	5 10.2	5 8.3	5 6.4	5 4.3	5 2.1	4 59.8	4 57.4	4 54.9	4 52.2	4 49.3	4 46.3
−10	5 15.2	5 13.5	5 11.8	5 9.9	5 7.9	5 5.9	5 3.7	5 1.5	4 59.1	4 56.5	4 53.8
9	5 20.2	5 18.7	5 17.1	5 15.5	5 13.7	5 11.9	5 10.0	5 8.0	5 5.8	5 3.6	5 1.2
8	5 25.1	5 23.8	5 22.4	5 21.0	5 19.5	5 17.9	5 16.2	5 14.4	5 12.5	5 10.6	5 8.5
7	5 30.0	5 28.9	5 27.7	5 26.4	5 25.1	5 23.8	5 22.3	5 20.8	5 19.2	5 17.5	5 15.7
6	5 34.9	5 33.9	5 32.9	5 31.8	5 30.7	5 29.6	5 28.4	5 27.1	5 25.7	5 24.3	5 22.8
5	5 39.7	5 38.9	5 38.1	5 37.2	5 36.3	5 35.4	5 34.4	5 33.4	5 32.2	5 31.1	5 29.9
4	5 44.5	5 43.9	5 43.3	5 42.6	5 41.9	5 41.2	5 40.4	5 39.6	5 38.7	5 37.8	5 36.9
3	5 49.3	5 48.9	5 48.4	5 47.9	5 47.4	5 46.9	5 46.3	5 45.8	5 45.2	5 44.5	5 43.8
2	5 54.1	5 53.8	5 53.5	5 53.3	5 52.9	5 52.6	5 52.3	5 52.0	5 51.6	5 51.2	5 50.8
− 1	5 58.9	5 58.8	5 58.7	5 58.6	5 58.4	5 58.3	5 58.2	5 58.1	5 58.0	5 57.9	5 57.7
0	6 3.6	6 3.7	6 3.8	6 3.9	6 4.0	6 4.1	6 4.2	6 4.3	6 4.4	6 4.5	6 4.7
+ 1	6 8.4	6 8.6	6 8.9	6 9.2	6 9.5	6 9.8	6 10.1	6 10.4	6 10.8	6 11.2	6 11.6
2	6 13.2	6 13.6	6 14.0	6 14.5	6 15.0	6 15.5	6 16.0	6 16.6	6 17.2	6 17.8	6 18.5
3	6 18.0	6 18.6	6 19.2	6 19.8	6 20.5	6 21.2	6 22.0	6 22.8	6 23.6	6 24.6	6 25.5
4	6 22.8	6 23.5	6 24.4	6 25.2	6 26.1	6 27.0	6 28.0	6 29.0	6 30.1	6 31.3	6 32.5
5	6 27.6	6 28.6	6 29.6	6 30.6	6 31.7	6 32.8	6 34.0	6 35.3	6 36.6	6 38.1	6 39.6
6	6 32.5	6 33.6	6 34.8	6 36.0	6 37.3	6 38.7	6 40.1	6 41.6	6 43.2	6 44.9	6 46.7
7	6 37.4	6 38.7	6 40.0	6 41.5	6 43.0	6 44.6	6 46.2	6 48.0	6 49.8	6 51.8	6 53.9
8	6 42.3	6 43.8	6 45.3	6 47.0	6 48.7	6 50.5	6 52.4	6 54.4	6 56.5	6 58.8	7 1.2
9	6 47.3	6 48.9	6 50.7	6 52.6	6 54.5	6 56.5	6 58.7	7 0.9	7 3.3	7 5.9	7 8.6
10	6 52.3	6 54.1	6 56.1	6 58.2	7 0.3	7 2.6	7 5.0	7 7.5	7 10.2	7 13.1	7 16.2
+11	6 57.4	6 59.4	7 1.6	7 3.9	7 6.3	7 8.8	7 11.4	7 14.2	7 17.2	7 20.4	7 23.8
12	7 2.5	7 4.8	7 7.2	7 9.7	7 12.3	7 15.1	7 18.0	7 21.1	7 24.3	7 27.8	7 31.5
13	7 7.8	7 10.2	7 12.8	7 15.5	7 18.4	7 21.4	7 24.6	7 28.0	7 31.6	7 35.4	7 39.5
14	7 13.1	7 15.7	7 18.6	7 21.5	7 24.6	7 27.9	7 31.4	7 35.1	7 39.0	7 43.2	7 47.7
15	7 18.5	7 21.4	7 24.4	7 27.6	7 31.0	7 34.6	7 38.3	7 42.4	7 46.6	7 51.2	7 56.1
16	7 23.9	7 27.1	7 30.4	7 33.8	7 37.5	7 41.4	7 45.4	7 49.8	7 54.4	7 59.4	8 4.7
17	7 29.5	7 32.9	7 36.5	7 40.2	7 44.1	7 48.3	7 52.7	7 57.4	8 2.5	8 7.9	8 13.7
18	7 35.3	7 38.9	7 42.7	7 46.7	7 50.9	7 55.4	8 0.2	8 5.3	8 10.8	8 16.6	8 23.0
19	7 41.1	7 45.0	7 49.1	7 53.4	7 57.9	8 2.8	8 7.9	8 13.4	8 19.4	8 25.7	8 32.6
20	7 47.1	7 51.3	7 55.6	8 0.3	8 5.2	8 10.4	8 15.9	8 21.9	8 28.3	8 35.2	8 42.8
+21	7 53.3	7 57.7	8 2.4	8 7.3	8 12.6	8 18.2	8 24.2	8 30.7	8 37.6	8 45.2	8 53.5
22	7 59.6	8 4.3	8 9.4	8 14.7	8 20.3	8 26.4	8 32.8	8 39.8	8 47.4	8 55.7	9 4.8
23	8 6.1	8 11.2	8 16.6	8 22.3	8 28.3	8 34.9	8 41.9	8 49.5	8 57.7	9 6.8	9 16.9
24	8 12.9	8 18.3	8 24.0	8 30.2	8 36.7	8 43.8	8 51.4	8 59.6	9 8.7	9 18.8	9 30.0
25	8 19.9	8 25.7	8 31.8	8 38.4	8 45.5	8 53.1	9 1.4	9 10.5	9 20.5	9 31.7	9 44.4
26	8 27.1	8 33.4	8 40.0	8 47.0	8 54.7	9 3.0	9 12.1	9 22.1	9 33.2	9 45.9	10 0.6
27	8 34.7	8 41.4	8 48.5	8 56.1	9 4.4	9 13.5	9 23.5	9 34.6	9 47.3	10 1.9	10 19.5
28	8 42.6	8 49.8	8 57.5	9 5.8	9 14.8	9 24.8	9 35.9	9 48.5	10 3.1	10 20.5	10 42.9
29	8 51.0	8 58.7	9 7.0	9 16.1	9 26.0	9 37.1	9 49.6	10 4.1	10 21.5	10 43.7	11 18.1
+30	8 59.7	9 8.1	9 17.2	9 27.1	9 38.2	9 50.7	10 5.1	10 22.3	10 44.4	11 18.5	—

Reduktionstafel

für den Auf- und Untergang der Sonne

Das Vorzeichen der Tafel gilt für den Aufgang, das entgegengesetzte Vorzeichen für den Untergang.

Tag		Geographische Breite										
		+30°	+32°	+34°	+36°	+38°	+40°	+42°	+44°	+46°	+48°	+50°
1934		m	m	m	m	m	m	m	m	m	m	m
Jan.	1	−62.7	−58.0	−53.1	−48.0	−42.6	−36.7	−30.5	−23.8	−16.5	−8.7	0.0
	11	−58.6	−54.1	−49.6	−44.7	−39.7	−34.2	−28.4	−22.1	−15.4	−8.0	0.0
	21	−52.3	−48.3	−44.2	−39.8	−35.3	−30.4	−25.2	−19.7	−13.7	−7.1	0.0
	31	−44.5	−41.1	−37.5	−33.8	−29.9	−25.8	−21.3	−16.6	−11.6	−6.0	0.0
Febr.	10	−35.7	−33.0	−30.1	−27.1	−24.0	−20.6	−17.0	−13.2	− 9.2	−4.8	0.0
	20	−26.4	−24.4	−22.2	−20.0	−17.7	−15.2	−12.5	− 9.7	− 6.7	−3.5	0.0
März	2	−16.8	−15.5	−14.1	−12.7	−11.2	− 9.6	− 7.9	− 6.1	− 4.2	−2.2	0.0
	12	− 7.1	− 6.6	− 6.0	− 5.4	− 4.7	− 4.0	− 3.3	− 2.6	− 1.8	−0.9	0.0
	22	+ 2.6	+ 2.4	+ 2.2	+ 2.1	+ 1.8	+ 1.6	+ 1.3	+ 1.0	+ 0.7	+0.3	0.0
April	1	+12.2	+11.3	+10.3	+ 9.4	+ 8.3	+ 7.1	+ 5.9	+ 4.6	+ 3.2	+1.6	0.0
	11	+21.9	+20.2	+18.5	+16.7	+14.7	+12.6	+10.4	+ 8.2	+ 5.6	+2.9	0.0
	21	+31.4	+28.9	+26.5	+23.9	+21.0	+18.1	+15.0	+11.7	+ 8.1	+4.2	0.0
Mai	1	+40.5	+37.4	+34.2	+30.9	+27.3	+23.5	+19.6	+15.2	+10.6	+5.5	0.0
	11	+49.1	+45.4	+41.5	+37.5	+33.3	+28.6	+23.8	+18.5	+12.9	+6.7	0.0
	21	+56.7	+52.6	+48.1	+43.4	+38.6	+33.2	+27.6	+21.6	+15.0	+7.8	0.0
	31	+62.9	+58.4	+53.5	+48.3	+42.9	+37.0	+30.8	+24.1	+16.8	+8.8	0.0
Juni	10	+67.1	+62.2	+57.1	+51.6	+45.8	+39.6	+33.0	+25.9	+18.0	+9.5	0.0
	20	+68.8	+63.8	+58.6	+52.9	+47.0	+40.7	+33.9	+26.6	+18.5	+9.8	0.0
	30	+67.9	+62.9	+57.8	+52.2	+46.4	+40.1	+33.4	+26.2	+18.2	+9.6	0.0
Juli	10	+64.5	+59.7	+54.8	+49.5	+44.0	+38.0	+31.6	+24.8	+17.2	+9.1	0.0
	20	+58.9	+54.5	+50.0	+45.1	+40.1	+34.6	+28.7	+22.5	+15.6	+8.2	0.0
	30	+51.7	+47.8	+43.9	+39.5	+35.1	+30.2	+25.1	+19.6	+13.6	+7.1	0.0
Aug.	9	+43.5	+40.2	+36.8	+33.1	+29.4	+25.3	+21.0	+16.4	+11.4	+5.9	0.0
	19	+34.6	+32.0	+29.2	+26.3	+23.3	+20.1	+16.7	+12.9	+ 9.0	+4.7	0.0
	29	+25.3	+23.4	+21.4	+19.3	+17.0	+14.7	+12.2	+ 9.4	+ 6.6	+3.4	0.0
Sept.	8	+15.9	+14.6	+13.4	+12.1	+10.7	+ 9.2	+ 7.6	+ 5.9	+ 4.1	+2.1	0.0
	18	+ 6.4	+ 5.8	+ 5.3	+ 4.8	+ 4.3	+ 3.7	+ 3.0	+ 2.4	+ 1.7	+0.9	0.0
	28	− 3.3	− 3.0	− 2.7	− 2.4	− 2.1	− 1.8	− 1.5	− 1.1	− 0.8	−0.4	0.0
Okt.	8	−12.9	−11.8	−10.7	− 9.7	− 8.5	− 7.3	− 6.0	− 4.7	− 3.2	−1.6	0.0
	18	−22.4	−20.6	−18.8	−16.9	−14.9	−12.8	−10.5	− 8.2	− 5.6	−2.9	0.0
	28	−31.7	−29.2	−26.7	−24.0	−21.2	−18.2	−15.0	−11.7	− 8.1	−4.2	0.0
Nov.	7	−40.6	−37.5	−34.3	−30.9	−27.3	−23.4	−19.4	−15.1	−10.4	−5.5	0.0
	17	−48.9	−45.2	−41.3	−37.3	−32.9	−28.3	−23.5	−18.3	−12.7	−6.7	0.0
	27	−55.9	−51.7	−47.3	−42.7	−37.8	−32.5	−27.1	−21.1	−14.7	−7.7	0.0
Dez.	7	−61.1	−56.5	−51.7	−46.7	−41.4	−35.7	−29.7	−23.2	−16.1	−8.5	0.0
	17	−63.9	−59.1	−54.1	−48.9	−43.3	−37.4	−31.1	−24.3	−16.9	−8.9	0.0
	27	−63.9	−59.1	−54.1	−48.9	−43.3	−37.4	−31.1	−24.3	−16.9	−8.9	0.0
	37	−61.1	−56.5	−51.7	−46.7	−41.4	−35.7	−29.7	−23.2	−16.1	−8.4	0.0

Reduktionstafel

für den Auf- und Untergang der Sonne

Das Vorzeichen der Tafel gilt für den Aufgang, das entgegengesetzte Vorzeichen für den Untergang.

Tag		Geographische Breite										
		+50°	+51°	+52°	+53°	+54°	+55°	+56°	+57°	+58°	+59°	+60°
1934		m	m	m	m	m	m	m	m	m	m	m
Jan.	1	0.0	+4.7	+9.6	+14.8	+20.5	+26.4	+32.8	+39.6	+47.0	+55.1	+63.9
	11	0.0	+4.4	+8.9	+13.8	+18.8	+24.4	+30.2	+36.4	+43.1	+50.4	+58.3
	21	0.0	+3.8	+7.9	+12.1	+16.6	+21.3	+26.4	+31.8	+37.5	+43.7	+50.4
	31	0.0	+3.2	+6.6	+10.1	+13.8	+17.8	+22.0	+26.4	+31.1	+36.2	+41.6
Febr.	10	0.0	+2.5	+5.2	+8.0	+10.9	+14.1	+17.3	+20.7	+24.4	+28.3	+32.5
	20	0.0	+1.8	+3.8	+5.8	+7.9	+10.2	+12.6	+15.0	+17.7	+20.5	+23.4
März	2	0.0	+1.2	+2.4	+3.7	+5.0	+6.4	+7.9	+9.4	+11.1	+12.8	+14.5
	12	0.0	+0.5	+1.0	+1.5	+2.1	+2.7	+3.3	+3.9	+4.5	+5.3	+6.0
	22	0.0	−0.2	−0.4	−0.6	−0.8	−1.1	−1.4	−1.6	−1.9	−2.2	−2.6
April	1	0.0	−0.9	−1.8	−2.7	−3.8	−4.8	−6.0	−7.2	−8.4	−9.8	−11.1
	11	0.0	−1.5	−3.2	−4.9	−6.8	−8.6	−10.6	−12.8	−15.0	−17.4	−19.9
	21	0.0	−2.2	−4.6	−7.1	−9.8	−12.5	−15.4	−18.5	−21.8	−25.2	−29.0
Mai	1	0.0	−3.0	−6.1	−9.3	−12.8	−16.4	−20.2	−24.3	−28.6	−33.2	−38.2
	11	0.0	−3.6	−7.4	−11.4	−15.7	−20.2	−24.9	−30.1	−35.6	−41.4	−47.7
	21	0.0	−4.2	−8.7	−13.4	−18.4	−23.8	−29.5	−35.7	−42.3	−49.4	−57.2
	31	0.0	−4.7	−9.8	−15.2	−20.8	−27.0	−33.5	−40.6	−48.2	−56.5	−65.7
Juni	10	0.0	−5.1	−10.6	−16.4	−22.6	−29.2	−36.3	−44.1	−52.5	−61.8	−72.2
	20	0.0	−5.3	−10.9	−16.9	−23.3	−30.2	−37.5	−45.6	−54.4	−64.0	−75.1
	30	0.0	−5.2	−10.7	−16.6	−22.9	−29.6	−36.9	−44.8	−53.4	−62.8	−73.6
Juli	10	0.0	−4.9	−10.1	−15.6	−21.5	−27.8	−34.5	−41.8	−49.7	−58.5	−68.0
	20	0.0	−4.4	−9.1	−14.0	−19.3	−24.9	−30.9	−37.3	−44.3	−51.8	−60.1
	30	0.0	−3.8	−7.9	−12.1	−16.6	−21.4	−26.5	−32.0	−37.8	−44.1	−50.9
Aug.	9	0.0	−3.2	−6.5	−10.0	−13.8	−17.7	−21.9	−26.3	−31.0	−36.0	−41.4
	19	0.0	−2.5	−5.1	−7.8	−10.8	−13.8	−17.1	−20.5	−24.2	−28.0	−32.2
	29	0.0	−1.8	−3.7	−5.7	−7.8	−10.0	−12.3	−14.8	−17.4	−20.2	−23.1
Sept.	8	0.0	−1.2	−2.3	−3.6	−4.9	−6.2	−7.7	−9.2	−10.8	−12.6	−14.4
	18	0.0	−0.5	−0.9	−1.5	−2.0	−2.5	−3.1	−3.7	−4.4	−5.1	−5.8
	28	0.0	+0.2	+0.5	+0.6	+0.9	+1.2	+1.4	+1.7	+2.0	+2.3	+2.6
Okt.	8	0.0	+0.9	+1.8	+2.8	+3.8	+4.9	+6.0	+7.1	+8.4	+9.7	+11.0
	18	0.0	+1.6	+3.2	+4.9	+6.7	+8.6	+10.5	+12.6	+14.9	+17.2	+19.7
	28	0.0	+2.2	+4.6	+7.0	+9.6	+12.4	+15.2	+18.2	+21.5	+24.8	+28.5
Nov.	7	0.0	+2.9	+6.0	+9.1	+12.6	+16.1	+19.9	+23.8	+28.1	+32.6	+37.6
	17	0.0	+3.6	+7.3	+11.2	+15.4	+19.7	+24.4	+29.4	+34.7	+40.3	+46.5
	27	0.0	+4.1	+8.4	+13.1	+17.9	+23.0	+28.5	+34.4	+40.7	+47.5	+54.9
Dez.	7	0.0	+4.6	+9.3	+14.5	+19.8	+25.6	+31.8	+38.3	+45.5	+53.2	+61.6
	17	0.0	+4.8	+9.8	+15.2	+20.9	+27.0	+33.5	+40.5	+48.2	+56.4	+65.6
	27	0.0	+4.8	+9.8	+15.2	+20.9	+27.0	+33.5	+40.5	+48.2	+56.4	+65.6
	37	0.0	+4.6	+9.3	+14.4	+19.8	+25.6	+31.8	+38.3	+45.4	+53.2	+61.6

Reduktionstafel

für den Auf- und Untergang des Mondes

Das Vorzeichen der Tafel gilt für den Aufgang, das entgegengesetzte Vorzeichen für den Untergang.

t*)	Geographische Breite										
	+30°	+32°	+34°	+36°	+38°	+40°	+42°	+44°	+46°	+48°	+50°
h m	m	m	m	m	m	m	m	m	m	m	m
3 20	−94.6	−87.9	−80.9	−73.4	−65.5	−56.9	−47.6	−37.5	−26.4	−14.0	0.0
3 30	−88.5	−82.2	−75.6	−68.5	−61.0	−52.9	−44.2	−34.8	−24.4	−12.9	0.0
3 40	−82.5	−76.5	−70.3	−63.7	−56.6	−49.1	−41.0	−32.2	−22.5	−11.9	0.0
3 50	−76.6	−71.0	−65.2	−59.0	−52.4	−45.3	−37.8	−29.6	−20.7	−10.9	0.0
4 0	−70.8	−65.6	−60.1	−54.4	−48.2	−41.7	−34.7	−27.2	−18.9	− 9.9	0.0
4 10	−65.1	−60.3	−55.2	−49.9	−44.2	−38.2	−31.7	−24.8	−17.3	− 9.0	0.0
4 20	−59.5	−55.0	−50.3	−45.5	−40.3	−34.8	−28.9	−22.5	−15.7	− 8.2	0.0
4 30	−54.0	−49.9	−45.6	−41.2	−36.5	−31.4	−26.1	−20.4	−14.1	− 7.4	0.0
4 40	−48.4	−44.8	−40.9	−36.9	−32.7	−28.2	−23.3	−18.2	−12.6	− 6.6	0.0
4 50	−43.0	−39.8	−36.4	−32.7	−29.0	−24.9	−20.7	−16.1	−11.2	− 5.8	0.0
5 0	−37.7	−34.8	−31.8	−28.6	−25.3	−21.8	−18.1	−14.1	− 9.8	− 5.0	0.0
5 10	−32.4	−29.9	−27.3	−24.6	−21.7	−18.7	−15.5	−12.1	− 8.4	− 4.3	0.0
5 20	−27.1	−25.0	−22.8	−20.6	−18.2	−15.6	−12.9	−10.1	− 7.0	− 3.6	0.0
5 30	−21.9	−20.2	−18.4	−16.6	−14.7	−12.6	−10.4	− 8.1	− 5.6	− 2.9	0.0
5 40	−16.7	−15.4	−14.0	−12.6	−11.2	− 9.6	− 7.9	− 6.2	− 4.3	− 2.2	0.0
5 50	−11.5	−10.6	− 9.7	− 8.7	− 7.7	− 6.6	− 5.5	− 4.2	− 2.9	− 1.5	0.0
6 0	− 6.4	− 5.8	− 5.4	− 4.8	− 4.2	− 3.6	− 3.0	− 2.3	− 1.6	− 0.9	0.0
6 10	− 1.2	− 1.1	− 1.0	− 0.9	− 0.8	− 0.7	− 0.6	− 0.4	− 0.3	− 0.2	0.0
6 20	+ 4.0	+ 3.7	+ 3.4	+ 3.0	+ 2.6	+ 2.3	+ 1.9	+ 1.5	+ 1.0	+ 0.5	0.0
6 30	+ 9.1	+ 8.4	+ 7.7	+ 6.9	+ 6.1	+ 5.3	+ 4.4	+ 3.4	+ 2.4	+ 1.2	0.0
6 40	+14.3	+13.2	+12.0	+10.8	+ 9.6	+ 8.2	+ 6.8	+ 5.3	+ 3.7	+ 1.9	0.0
6 50	+19.5	+18.0	+16.4	+14.8	+13.1	+11.2	+ 9.3	+ 7.2	+ 5.0	+ 2.6	0.0
7 0	+24.7	+22.8	+20.9	+18.8	+16.6	+14.2	+11.8	+ 9.1	+ 6.3	+ 3.3	0.0
7 10	+30.0	+27.7	+25.3	+22.8	+20.1	+17.3	+14.3	+11.1	+ 7.7	+ 4.0	0.0
7 20	+35.3	+32.6	+29.7	+26.8	+23.7	+20.3	+16.8	+13.1	+ 9.1	+ 4.7	0.0
7 30	+40.6	+37.5	+34.3	+30.9	+27.3	+23.4	+19.4	+15.1	+10.5	+ 5.5	0.0
7 40	+45.9	+42.5	+38.9	+35.0	+31.0	+26.6	+22.1	+17.2	+12.0	+ 6.2	0.0
7 50	+51.4	+47.6	+43.5	+39.2	+34.7	+29.9	+24.8	+19.3	+13.5	+ 7.0	0.0
8 0	+56.9	+52.7	+48.2	+43.5	+38.5	+33.2	+27.6	+21.5	+15.0	+ 7.8	0.0
8 10	+62.5	+57.9	+53.0	+47.9	+42.4	+36.6	+30.4	+23.8	+16.6	+ 8.6	0.0
8 20	+68.2	+63.2	+57.9	+52.3	+46.4	+40.1	+33.3	+26.1	+18.2	+ 9.5	0.0
8 30	+74.0	+68.5	+62.9	+56.9	+50.5	+43.7	+36.4	+28.5	+19.8	+10.5	0.0
8 40	+79.8	+74.0	+67.9	+61.5	+54.7	+47.3	+39.5	+30.9	+21.6	+11.4	0.0
8 50	+85.8	+79.6	+73.1	+66.3	+59.0	+51.1	+42.7	+33.5	+23.5	+12.5	0.0
9 0	+91.9	+85.3	+78.4	+71.2	+63.4	+55.0	+46.0	+36.3	+25.5	+13.5	0.0

*) *t* ist beim Aufgange der Zeitunterschied zwischen Aufgang und Kulmination, beim Untergange der Zeitunterschied zwischen Kulmination und Untergang.

Reduktionstafel

für den Auf- und Untergang des Mondes

Das Vorzeichen der Tafel gilt für den Aufgang, das entgegengesetzte Vorzeichen für den Untergang.

t*)	Geographische Breite										
	+50°	+51°	+52°	+53°	+54°	+55°	+56°	+57°	+58°	+59°	+60°
h m	m	m	m	m	m	m	m	m	m	m	m
3 20	0.0	+7.7	+16.1	+25.2	+35.1	+46.1	+58.4	+72.5	+89.1	+109.7	+138.1
3 30	0.0	+7.1	+14.7	+22.9	+31.8	+41.6	+52.4	+64.5	+78.3	+ 94.5	+114.3
3 40	0.0	+6.5	+13.4	+20.9	+28.9	+37.6	+47.2	+57.7	+69.4	+ 82.7	+ 98.2
3 50	0.0	+5.9	+12.2	+19.0	+26.2	+34.0	+42.5	+51.7	+61.9	+ 73.3	+ 86.1
4 0	0.0	+5.4	+11.1	+17.2	+23.7	+30.8	+38.2	+46.3	+55.2	+ 65.0	+ 76.0
4 10	0.0	+4.9	+10.1	+15.6	+21.4	+27.7	+34.4	+41.6	+49.4	+ 57.9	+ 67.3
4 20	0.0	+4.5	+ 9.1	+14.0	+19.2	+24.8	+30.8	+37.2	+44.0	+ 51.5	+ 59.6
4 30	0.0	+4.0	+ 8.1	+12.5	+17.2	+22.2	+27.5	+33.1	+39.1	+ 45.7	+ 52.7
4 40	0.0	+3.5	+ 7.3	+11.2	+15.3	+19.7	+24.3	+29.3	+34.5	+ 40.2	+ 46.3
4 50	0.0	+3.1	+ 6.4	+ 9.8	+13.4	+17.3	+21.4	+25.6	+30.2	+ 35.1	+ 40.4
5 0	0.0	+2.7	+ 5.5	+ 8.5	+11.6	+15.0	+18.5	+22.2	+26.1	+ 30.3	+ 34.8
5 10	0.0	+2.3	+ 4.7	+ 7.2	+10.0	+12.8	+15.7	+18.9	+22.2	+ 25.7	+ 29.5
5 20	0.0	+2.0	+ 3.9	+ 6.0	+ 8.3	+10.7	+13.1	+15.7	+18.4	+ 21.3	+ 24.4
5 30	0.0	+1.6	+ 3.2	+ 4.8	+ 6.7	+ 8.5	+10.5	+12.6	+14.8	+ 17.1	+ 19.6
5 40	0.0	+1.2	+ 2.4	+ 3.7	+ 5.0	+ 6.5	+ 7.9	+ 9.5	+11.2	+ 13.0	+ 14.8
5 50	0.0	+0.8	+ 1.7	+ 2.6	+ 3.4	+ 4.4	+ 5.5	+ 6.5	+ 7.7	+ 8.9	+ 10.2
6 0	0.0	+0.5	+ 0.9	+ 1.4	+ 1.9	+ 2.4	+ 3.0	+ 3.6	+ 4.2	+ 4.9	+ 5.6
6 10	0.0	+0.1	+ 0.2	+ 0.2	+ 0.4	+ 0.5	+ 0.6	+ 0.7	+ 0.8	+ 0.9	+ 1.1
6 20	0.0	—0.3	— 0.6	— 0.9	— 1.2	— 1.5	— 1.9	— 2.3	— 2.6	— 3.0	— 3.5
6 30	0.0	—0.6	— 1.3	— 2.0	— 2.7	— 3.5	— 4.3	— 5.2	— 6.0	— 7.0	— 8.0
6 40	0.0	—1.0	— 2.1	— 3.1	— 4.3	— 5.5	— 6.8	— 8.1	— 9.5	— 11.0	— 12.6
6 50	0.0	—1.3	— 2.9	— 4.3	— 5.9	— 7.5	— 9.4	—11.2	—13.1	— 15.1	— 17.3
7 0	0.0	—1.7	— 3.6	— 5.5	— 7.5	— 9.6	—11.9	—14.3	—16.7	— 19.3	— 22.2
7 10	0.0	—2.1	— 4.4	— 6.7	— 9.2	—11.7	—14.5	—17.4	—20.4	— 23.7	— 27.1
7 20	0.0	—2.5	— 5.1	— 7.9	—10.8	—13.8	—17.1	—20.6	—24.2	— 28.1	— 32.3
7 30	0.0	—2.9	— 6.0	— 9.2	—12.6	—16.1	—19.9	—24.0	—28.2	— 32.8	— 37.7
7 40	0.0	—3.3	— 6.9	—10.6	—14.4	—18.5	—22.9	—27.5	—32.4	— 37.8	— 43.4
7 50	0.0	—3.8	— 7.7	—12.0	—16.3	—21.0	—25.9	—31.3	—36.9	— 43.0	— 49.6
8 0	0.0	—4.2	— 8.7	—13.4	—18.3	—23.7	—29.2	—35.3	—41.7	— 48.7	— 56.3
8 10	0.0	—4.7	— 9.6	—14.9	—20.4	—26.4	—32.6	—39.5	—46.8	— 54.8	— 63.5
8 20	0.0	—5.2	—10.6	—16.4	—22.6	—29.2	—36.3	—44.0	—52.3	— 61.5	— 71.6
8 30	0.0	—5.7	—11.7	—18.1	—25.0	—32.4	—40.4	—49.1	—58.6	— 69.1	— 81.0
8 40	0.0	—6.3	—12.9	—19.9	—27.6	—35.8	—44.9	—54.9	—65.7	— 77.9	— 92.1
8 50	0.0	—6.8	—14.1	—21.9	—30.5	—39.7	—49.8	—61.2	—73.8	— 88.5	—106.1
9 0	0.0	—7.4	—15.4	—24.1	—33.7	—44.1	—55.3	—68.4	—83.6	—101.4	—125.9

*) *t* ist beim Aufgange der Zeitunterschied zwischen Aufgang und Kulmination, beim Untergange der Zeitunterschied zwischen Kulmination und Untergang.

Hilfstafeln

zur Berechnung der optischen Mondlibration

λ−☊	Δλ	a	B	λ−☊	λ−☊	Δλ	a	B	λ−☊
°	′		° ′	°	°	′		° ′	°
0	+0.0+	−0.0269+	−0 0.0+	180	45	+0.6+	−0.0190+	−1 5.3+	225
1	0.0	268	0 1.6	181	46	0.6	187	1 6.4	226
2	0.0	268	0 3.2	182	47	0.6	183	1 7.5	227
3	0.1	268	0 4.8	183	48	0.6	180	1 8.6	228
4	0.1	268	0 6.4	184	49	0.6	176	1 9.7	229
5	+0.1+	−0.0268+	−0 8.0+	185	50	+0.6+	−0.0173+	−1 10.7+	230
6	0.1	267	0 9.7	186	51	0.6	169	1 11.8	231
7	0.1	267	0 11.3	187	52	0.6	165	1 12.8	232
8	0.2	266	0 12.9	188	53	0.6	162	1 13.8	233
9	0.2	265	0 14.4	189	54	0.6	158	1 14.7	234
10	+0.2+	−0.0264+	−0 16.0+	190	55	+0.6+	−0.0154+	−1 15.6+	235
11	0.2	264	0 17.6	191	56	0.6	150	1 16.5	236
12	0.2	263	0 19.2	192	57	0.6	146	1 17.4	237
13	0.3	262	0 20.8	193	58	0.6	142	1 18.3	238
14	0.3	261	0 22.3	194	59	0.5	138	1 19.2	239
15	+0.3+	−0.0259+	−0 23.9+	195	60	+0.5+	−0.0134+	−1 20.0+	240
16	0.3	258	0 25.5	196	61	0.5	130	1 20.8	241
17	0.3	257	0 27.0	197	62	0.5	126	1 21.5	242
18	0.4	255	0 28.5	198	63	0.5	122	1 22.3	243
19	0.4	254	0 30.1	199	64	0.5	118	1 23.0	244
20	+0.4+	−0.0252+	−0 31.6+	200	65	+0.5+	−0.0114+	−1 23.7+	245
21	0.4	251	0 33.1	201	66	0.5	109	1 24.4	246
22	0.4	249	0 34.6	202	67	0.4	105	1 25.0	247
23	0.4	247	0 36.1	203	68	0.4	101	1 25.6	248
24	0.5	245	0 37.6	204	69	0.4	096	1 26.2	249
25	+0.5+	−0.0243+	−0 39.0+	205	70	+0.4+	−0.0092+	−1 26.8+	250
26	0.5	241	0 40.5	206	71	0.4	87	1 27.3	251
27	0.5	239	0 41.9	207	72	0.4	83	1 27.8	252
28	0.5	237	0 43.4	208	73	0.3	79	1 28.3	253
29	0.5	235	0 44.8	209	74	0.3	74	1 28.8	254
30	+0.5+	−0.0233+	−0 46.2+	210	75	+0.3+	−0.0070+	−1 29.2+	255
31	0.5	230	0 47.6	211	76	0.3	65	1 29.6	256
32	0.6	228	0 48.9	212	77	0.3	60	1 30.0	257
33	0.6	225	0 50.3	213	78	0.2	56	1 30.3	258
34	0.6	223	0 51.6	214	79	0.2	51	1 30.6	259
35	+0.6+	−0.0220+	−0 53.0+	215	80	+0.2+	−0.0047+	−1 30.9+	260
36	0.6	217	0 54.3	216	81	0.2	42	1 31.2	261
37	0.6	214	0 55.6	217	82	0.2	37	1 31.4	262
38	0.6	212	0 56.9	218	83	0.1	33	1 31.6	263
39	0.6	209	0 58.1	219	84	0.1	28	1 31.8	264
40	+0.6+	−0.0206+	−0 59.4+	220	85	+0.1+	−0.0023+	−1 32.0+	265
41	0.6	203	1 0.6	221	86	0.1	19	1 32.1	266
42	0.6	200	1 1.8	222	87	0.1	14	1 32.2	267
43	0.6	196	1 3.0	223	88	0.0	09	1 32.3	268
44	0.6	193	1 4.1	224	89	0.0	05	1 32.3	269
45	+0.6+	−0.0190+	−1 5.3+	225	90	+0.0+	−0.0000+	−1 32.3+	270

$$l' = \lambda + \Delta\lambda - a(B - \beta)\, L_{☾}; \quad b' = B - \beta$$

l', b' = Optische Libration der Mondmitte in selenographischer Länge und Breite.

λ, β = Länge und Breite des Mondmittelpunktes, berechnet für den Beobachtungsort.

$L_{☾}$ = Mittlere Länge des Mondes, ☊ = Mondknoten.

Hilfstafeln

zur Berechnung der optischen Mondlibration

λ−☊	Δλ	a	B	λ−☊	λ−☊	Δλ	a	B	λ−☊
°	′		° ′	°	°	′		° ′	°
90	−0.0−	+0.0000−	−1 32.3+	270	135	−0.6−	+0.0190−	−1 5.3+	315
91	0.0	05	1 32.3	271	136	0.6	193	1 4.1	316
92	0.0	09	1 32.3	272	137	0.6	196	1 3.0	317
93	0.1	14	1 32.2	273	138	0.6	200	1 1.8	318
94	0.1	19	1 32.1	274	139	0.6	203	1 0.6	319
95	−0.1−	+0.0023−	−1 32.0+	275	140	−0.6−	+0.0206−	−0 59.4+	320
96	0.1	28	1 31.8	276	141	0.6	209	0 58.1	321
97	0.1	33	1 31.6	277	142	0.6	212	0 56.9	322
98	0.2	37	1 31.4	278	143	0.6	214	0 55.6	323
99	0.2	42	1 31.2	279	144	0.6	217	0 54.3	324
100	−0.2−	+0.0047−	−1 30.9+	280	145	−0.6−	+0.0220−	−0 53.0+	325
101	0.2	51	1 30.6	281	146	0.6	223	0 51.6	326
102	0.2	56	1 30.3	282	147	0.6	225	0 50.3	327
103	0.3	60	1 30.0	283	148	0.6	228	0 48.9	328
104	0.3	65	1 29.6	284	149	0.5	230	0 47.6	329
105	−0.3−	+0.0070−	−1 29.2+	285	150	−0.5−	+0.0233−	−0 46.2+	330
106	0.3	74	1 28.8	286	151	0.5	235	0 44.8	331
107	0.3	79	1 28.3	287	152	0.5	237	0 43.4	332
108	0.4	83	1 27.8	288	153	0.5	239	0 41.9	333
109	0.4	87	1 27.3	289	154	0.5	241	0 40.5	334
110	−0.4−	+0.0092−	−1 26.8+	290	155	−0.5−	+0.0243−	−0 39.0+	335
111	0.4	096	1 26.2	291	156	0.5	245	0 37.6	336
112	0.4	101	1 25.6	292	157	0.4	247	0 36.1	337
113	0.4	105	1 25.0	293	158	0.4	249	0 34.6	338
114	0.5	109	1 24.4	294	159	0.4	251	0 33.1	339
115	−0.5−	+0.0114−	−1 23.7+	295	160	−0.4−	+0.0252−	−0 31.6+	340
116	0.5	118	1 23.0	296	161	0.4	254	0 30.1	341
117	0.5	122	1 22.3	297	162	0.4	255	0 28.5	342
118	0.5	126	1 21.5	298	163	0.3	257	0 27.0	343
119	0.5	130	1 20.8	299	164	0.3	258	0 25.5	344
120	−0.5−	+0.0134−	−1 20.0+	300	165	−0.3−	+0.0259−	−0 23.9+	345
121	0.5	138	1 19.2	301	166	0.3	261	0 22.3	346
122	0.6	142	1 18.3	302	167	0.3	262	0 20.8	347
123	0.6	146	1 17.4	303	168	0.2	263	0 19.2	348
124	0.6	150	1 16.5	304	169	0.2	264	0 17.6	349
125	−0.6−	+0.0154−	−1 15.6+	305	170	−0.2−	+0.0264−	−0 16.0+	350
126	0.6	158	1 14.7	306	171	0.2	265	0 14.4	351
127	0.6	162	1 13.8	307	172	0.2	266	0 12.9	352
128	0.6	165	1 12.8	308	173	0.1	267	0 11.3	353
129	0.6	169	1 11.8	309	174	0.1	267	0 9.7	354
130	−0.6−	+0.0173−	−1 10.7+	310	175	−0.1−	+0.0268−	−0 8.0+	355
131	0.6	176	1 9.7	311	176	0.1	268	0 6.4	356
132	0.6	180	1 8.6	312	177	0.1	268	0 4.8	357
133	0.6	183	1 7.5	313	178	0.0	268	0 3.2	358
134	0.6	187	1 6.4	314	179	0.0	268	0 1.6	359
135	−0.6−	+0.0190−	−1 5.3+	315	180	−0.0−	+0.0269−	−0 0.0+	360

$$l' = \lambda + \Delta\lambda - a\,(B - \beta) - L_{☾}; \qquad b' = B - \beta$$

l', b' = Optische Libration der Mondmitte in selenographischer Länge und Breite.

λ, β = Länge und Breite des Mondmittelpunktes, berechnet für den Beobachtungsort.

$L_{☾}$ = Mittlere Länge des Mondes, ☊ = Mondknoten.

Hilfsgrößen

zur Berechnung der geozentrischen Koordinaten

$\rho \sin \varphi' = s \sin \varphi; \qquad \rho \cos \varphi' = c \cos \varphi$

φ	log s		log c		φ	log s		log c	
± 0°	9.9970705	4	0.0000000	4	±40°	9.9976745	252	0.0006040	252
1	.9970709	14	.0000004	14	41	.9976997	254	.0006292	254
2	.9970723	22	.0000018	22	42	.9977251	255	.0006546	255
3	.9970745	31	.0000040	31	43	.9977506	255	.0006801	255
4	.9970776	40	.0000071	40	44	.9977761	255	.0007056	255
5	9.9970816	49	0.0000111	49	45	9.9978016	256	0.0007311	256
6	.9970865	57	.0000160	57	46	.9978272	255	.0007567	255
7	.9970922	66	.0000217	66	47	.9978527	255	.0007822	255
8	.9970988	74	.0000283	74	48	.9978782	254	.0008077	254
9	.9971062	83	.0000357	83	49	.9979036	252	.0008331	252
10	9.9971145	92	0.0000440	92	50	9.9979288	252	0.0008583	252
11	.9971237	99	.0000532	99	51	.9979540	249	.0008835	249
12	.9971336	108	.0000631	108	52	.9979789	247	.0009084	247
13	.9971444	116	.0000739	116	53	.9980036	245	.0009331	245
14	.9971560	123	.0000855	123	54	.9980281	242	.0009576	242
15	9.9971683	131	0.0000978	131	55	9.9980523	239	0.0009818	239
16	.9971814	139	.0001109	139	56	.9980762	235	.0010057	235
17	.9971953	146	.0001248	146	57	.9980997	232	.0010292	232
18	.9972099	154	.0001394	154	58	.9981229	228	.0010524	228
19	.9972253	160	.0001548	160	59	.9981457	224	.0010752	224
20	9.9972413	168	0.0001708	168	60	9.9981681	220	0.0010976	220
21	.9972581	174	.0001876	174	61	.9981901	215	.0011196	215
22	.9972755	180	.0002050	180	62	.9982116	209	.0011411	209
23	.9972935	187	.0002230	187	63	.9982325	205	.0011620	205
24	.9973122	192	.0002417	192	64	.9982530	199	.0011825	199
25	9.9973314	198	0.0002609	198	65	9.9982729	193	0.0012024	193
26	.9973512	204	.0002807	204	66	.9982922	188	.0012217	188
27	.9973716	209	.0003011	209	67	.9983110	181	.0012405	181
28	.9973925	214	.0003220	214	68	.9983291	175	.0012586	175
29	.9974139	219	.0003434	219	69	.9983466	168	.0012761	168
30	9.9974358	223	0.0003653	223	70	9.9983634	161	0.0012929	161
31	.9974581	227	.0003876	227	71	.9983795	154	.0013090	154
32	.9974808	232	.0004103	232	72	.9983949	147	.0013244	147
33	.9975040	235	.0004335	235	73	.9984096	140	.0013391	140
34	.9975275	238	.0004570	238	74	.9984236	132	.0013531	132
35	9.9975513	241	0.0004808	241	75	9.9984368	124	0.0013663	124
36	.9975754	245	.0005049	245	76	.9984492	117	.0013787	117
37	.9975999	246	.0005294	246	77	.9984609	108	.0013904	108
38	.9976245	249	.0005540	249	78	.9984717	100	.0014012	100
39	.9976494	251	.0005789	251	79	.9984817	92	.0014112	92
40	9.9976745		0.0006040		80	9.9984909		0.0014204	

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich − östlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Abbadia	69	+43 22 52.2	+ 0 7 0.1	+ 1.15	+43 11 17.8	9.999317
Åbo	—	+60 26 56.8	− 1 29 6.30	− 14.64	+60 16 58.8	9.998894
Adelaide	41	−34 55 35.1	− 9 14 19.90	− 91.06	−34 44 42.7	9.999526
Albany (Neue Sternw.)[1] .	40	+42 39 12.8	+ 4 55 7.12	+ 48.48	+42 27 39.7	9.999334
Algier (Neue Sternw.)[2] . .	345	+36 48 4.8	− 0 12 8.47	− 1.99	+36 36 58.1	9.999497
Allegheny (Neue Sternw.).	370	+40 28 58.1	+ 5 20 5.39	+ 52.59	+40 17 31.4	9.999411
Allegheny (Alte Sternw.) .	349	+40 27 41.6	+ 5 20 2.97	+ 52.58	+40 16 15.0	9.999411
Amherst (Neue Sternw.) .	110	+42 21 56.5	+ 4 50 5.98	+ 47.66	+42 10 24.0	9.999346
Amherst (Alte Sternw.) .	122	+42 22 17.1	+ 4 50 4.72	+ 47.66	+42 10 44.6	9.999347
Ann Arbor	282	+42 16 48.7	+ 5 34 55.27	+ 55.02	+42 5 16.4	9.999360
Arcetri Zentr. d. Sternw.[3]).	184	+43 45 14.4	− 0 45 1.30	− 7.39	+43 33 39.5	9.999316
Arequipa[4])	2451	−16 22 28.0	+ 4 46 11.73	+ 47.02	−16 16 12.7	0.000052
Armagh	64	+54 21 11	+ 0 26 35.48	+ 4.37	+54 10 11.4	9.999041
Athen	110	+37 58 15.5	− 1 34 52.2	− 15.58	+37 47 1.2	9.999456
Bamberg (Remeis-Sternw.)	288	+49 53 6.0	− 0 43 33.57	− 7.15	+49 41 40.0	9.999167
Barcelona[5])	415	+41 24 59.3	− 0 8 30.2	− 1.41	+41 13 29.4	9.999391
Beloit	245	+42 30 8.4	+ 5 56 7.4	+ 58.51	+42 18 35.6	9.999352
Bergedorf Mer.-Kr. . .	41	+53 28 46.9	− 0 40 57.74	− 6.73	+53 17 40.8	9.999060
Berkeley	94	+37 52 23.5	+ 8 9 2.80	+ 80.34	+37 41 9.8	9.999458
Berlin-Babelsberg[6]) .	82	+52 24 24.2	− 0 52 25.49	− 8.61	+52 13 11.1	9.999089
Berlin (Urania)[7]) . . .	47	+52 31 30.7	− 0 53 27.40	− 8.78	+52 20 18.3	9.999084
Bern	573	+46 57 8.7	− 0 29 45.55	− 4.89	+46 45 34.5	9.999261
Besançon	312	+47 14 59.0	− 0 23 57.1	− 3.93	+47 3 25.3	9.999236
Blaca	280	+43 17 37	− 1 6 8.0	− 10.86	+43 6 3	9.999334
Bloemfontein Filiale d. Detroit Obs.	1490	−29 5 45	− 1 44 57	− 17.24	−28 55 55	9.999758
Bloemfontein Boyden Stat. d. Harv. Obs.	1379	−29 12	− 1 45 57	− 17.40	−29 2	9.999748
Bogota	2640	+ 4 35 55.2	+ 4 56 19.51	+ 48.68	+ 4 34 4.4	0.000111
Bologna Zentr. d. Sternw.	84	+44 29 52.8	− 0 45 24.48	− 7.46	+44 18 17.3	9.999290
Bombay (Colaba) . . .	19	+18 53 36.2	− 4 51 15.60	− 47.85	+18 46 31.1	9.999849
Bonn Zentr. d. Sternw.. .	62	+50 43 45.0	− 0 28 23.18	− 4.66	+50 32 22.7	9.999130
Bordeaux (Floirac). . .	73	+44 50 7.2	+ 0 2 6.56	+ 0.35	+44 38 31.6	9.999281
Boston (University)[8]) . .	31	+42 20 58	+ 4 44 19.1	+ 46.71	+42 9 25.6	9.999341
Bothkamp[9]).	32	+54 12 9.6	− 0 40 31.2	− 6.65	+54 1 8.8	9.999042
Breslau Zentr. d. Sternw. .	147	+51 6 56.5	− 1 8 8.72	− 11.19	+50 55 36.1	9.999126
Breslau Neue Sternw. . .	117	+51 6 41	− 1 8 21.19	− 11.23	+50 55 20.6	9.999130
Brisbane	51	−27 28 23.0	−10 12 6.48	−100.55	−27 18 54.6	9.999694
Brüssel (Alte Sternw.) Pass. Instr. . .	56	+50 51 10.7	− 0 17 28.71	− 2.87	+50 39 49.0	9.999126
Brüssel (Uccle) Mer.-Kr. .	105	+50 47 54.6	− 0 17 26.05	− 2.86	+50 36 32.7	9.999131

[1]) Dudley Observatory, seit Juni 1893. Alte Sternwarte 37″.0 nördlich, 7s.10 östlich. — [2]) Alte Sternwarte 3′.8 südlich, 8s östlich. — [3]) Seit Oktober 1872, früher in Florenz. — [4]) 1927 geschlossen und nach Bloemfontein verlegt. — [5]) J. Comas Solá. — [6]) Die Koordinaten beziehen sich auf die Mitte der großen Kuppel, in der der große Refraktor aufgestellt ist. Die frühere Sternwarte in Berlin (seit 1835) lag 5′ 52″.5 nördlich und 1m 9s.31 östlich. — [7]) Übungssternwarte der Universität. — [8]) Die alte Sternwarte lag 4s.1 östlich, 34″.5 nördlich. — [9]) Herr von Bülow.

Koordinaten der Sternwarten

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich − östlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Budapest Univ.-Sternw. .	110	+47 29 34.7	−1 16 15.4	−12.53	+47 18 1.5	9.999215
Budapest[1])	110	+47 28 49	−1 16 13.7	−12.53	+47 17 16	9.999215
Bukarest (Mil. Geogr. Inst.)	85	+44 24 34.2	−1 44 27.01	−17.16	+44 12 58.7	9.999292
Cambridge Engl. . .	28	+52 12 51.6	−0 0 22.75	− 0.06	+52 1 37.3	9.999090
Cambridge Mass.[2]) . .	24	+42 22 47.6	+4 44 31.05	+46.74	+42 11 15.1	9.999340
Cap d. gut. Hoffnung	10	−33 56 6.8	−1 13 54.60	−12.14	−33 45 23.2	9.999547
Catania.	47	+37 30 13.3	−1 0 20.6	− 9.91	+37 19 1.9	9.999466
Charkow	139	+50 0 9.9	−2 24 55.72	−23.81	+49 48 44.4	9.999153
Charlottenburg, Techn. Hochsch.	60	+52 30 48.7	−0 53 20.5	− 8.76	+52 19 36.2	9.999085
Charlottesville[3]) . . .	259	+38 2 1.2	+5 14 5.33	+51.60	+37 50 46.5	9.999464
Christiania (Oslo) Mer.-Kr.	25	+59 54 43.7	−0 42 53.51	− 7.04	+59 44 39.2	9.998908
Cincinnati (Alte Sternw.) .	—	+39 6 26.5	+5 37 59.09	+55.52	+38 55 6.0	9.999421
Cincinnati (Neue Sternw.)[4])	247	+39 8 19.8	+5 37 41.40	+55.47	+38 56 59.1	9.999437
Cleveland (Case Obs.) . .	215	+41 30 14.5	+5 26 25.86	+53.63	+41 18 44.3	9.999375
Coimbra	99	+40 12 24.5	+0 33 43.1	+ 5.54	+40 0 58.9	9.999400
Columbia Missouri[5]) .	225	+38 56 12	+6 9 18.37	+60.67	+38 44 52.3	9.999442
Cordoba	434	−31 25 15.5	+4 16 47.16	+42.18	−31 14 57.5	9.999635
Danzig	3	+54 21 18.0	−1 14 39.6	−12.26	+54 10 18.4	9.999036
Denver[6])	1644	+39 40 36.4	+6 59 47.72	+68.96	+39 29 13.1	9.999519
Dorpat (Tartu, Jurjew) Mer.-Kr. .	67	+58 22 47.2	−1 46 53.18	−17.56	+58 12 25.1	9.998946
Dresden (Geodät. Inst.) .	168	+51 1 49.3	−0 54 55.1	− 9.02	+50 50 28.5	9.999130
Dresden (Mathem. Salon) .	—	+51 3 14.7	−0 54 55.83	− 9.02	+50 51 54.0	9.999117
Dublin (Dunsink Obs.) . .	86	+53 23 13.1	+0 25 21.1	+ 4.17	+53 12 6.4	9.999065
Düsseldorf (Bilk) . . .	46	+51 12 25.0	−0 27 2.69	− 4.44	+51 1 5.1	9.999117
Durham	108	+54 46 6.2	+0 6 19.75	+ 1.04	+54 35 9.8	9.999033
Edinburgh	146	+55 55 30	+0 12 44.1	+ 2.09	+55 44 43.5	9.999008
Edinburgh (Blackf. Hill) .	134	+55 55 28.0	+0 12 44.0	+ 2.09	+55 44 41.5	9.999007
Evanston (Dearborn Obs.)	175	+42 3 33.4	+5 50 42.3	+57.61	+41 52 1.6	9.999358
Faenza (Urania Lamonia) .	45	+44 17 2	−0 47 33.9	− 7.81	+44 5 27	9.999293
Flagstaff (Lowell Obs.) .	2210	+35 12 30.5	+7 26 44.6	+73.39	+35 1 35.8	9.999667
Florenz (Alte Sternw.)[7]) .	73	+43 46 4.1	−0 44 59.6	− 7.39	+43 34 29.2	9.999308
Florenz (Mil. Geogr. Inst.)	72	+43 46 49.4	−0 45 2.5	− 7.40	+43 35 14.5	9.999308
Frankfurt a. M. . . .	121	+50 7 0	−0 34 36.3	− 5.70	+49 55 34.6	9.999149
Genf Mer.-Kr.	406	+46 11 59.3	−0 24 36.53	− 4.04	+46 0 24.1	9.999269
Genua (Mar. Sternw.) Mer.-Kr. . .	108	+44 25 8.1	−0 35 41.28	− 5.86	+44 13 32.6	9.999294
Georgetown D. C. . .	62	+38 54 26.2	+5 8 18.33	+50.65	+38 43 6.7	9.999430
Glasgow Schottl. . .	55	+55 52 42.1	+0 17 10.55	+ 2.82	+55 41 55.2	9.999003
Glasgow Missouri . .	228	+39 13 45.6	+6 11 18.06	+61.00	+39 2 24.5	9.999433

[1]) Observ. der Kgl. Josef-Technischen Hochschule. — [2]) Harvard College Observatory. — [3]) Leander Mc. Cormick Observatory, University of Virginia. — [4]) Mount Lookout seit 1873. — [5]) Laws Observatory. — [6]) University Park, Chamberlin Observatory. — [7]) 1872 nach Arcetri verlegt.

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Koordinaten der Sternwarten

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich − östlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Göttingen Mer.-Kr. . .	161	+51 31 48.2	−0 39 46.22	− 6.53	+51 20 30.0	9.999117
Gotha (Neue Sternw.) Zentr. d. St.[1]) . .	322	+50 56 37.9	−0 42 50.51	− 7.04	+50 45 16.7	9.999142
Graz	375	+47 4 37.2	−1 1 47.71	−10.15	+46 53 3.2	9.999244
Greenwich Transit Circle .	47	+51 28 38.2	0 0 0.00	0.00	+51 17 19.7	9.999110
Groningen	4	+53 13 13.8	−0 26 15.11	− 4.31	+53 2 6.0	9.999064
Hamburg (Alte Sternw.) Mer.-Kr.[2])	25	+53 33 6.0	−0 39 53.60	− 6.55	+53 22 0.4	9.999057
Hamburg (D. Seewarte) .	30	+53 32 51.8	−0 39 53.42	− 6.55	+53 21 46.2	9.999058
Hanover N. H. . . .	183	+43 42 15.3	+4 49 8.00	+47.50	+43 30 40.5	9.999317
Haverford	116	+40 0 40.1	+5 1 12.7	+49.48	+39 49 15.4	9.999406
Heidelberg (Wolfs Sternw.)	126	+49 24 35	−0 34 48.4	− 5.72	+49 13 7	9.999159
Heidelberg (Königst.) Mer.-Kr. . .	570	+49 23 54.6	−0 34 53.13	− 5.73	+49 12 26.8	9.999198
Helsingfors Mer.-Kr. . .	33	+60 9 42.3	−1 39 49.10	−16.40	+59 59 40.8	9.998903
Helwan.	115	+29 51 31.1	−2 5 21.77	−20.59	+29 41 31.4	9.999648
Hongkong	33	+22 18 13.2	−7 36 41.25	−75.02	+22 10 5.8	9.999793
Hyderabad-Deccan[3]) .	554	+17 25 54.3	−5 13 48.98	−51.55	+17 19 17.7	9.999007
Innsbruck	605	+47 16 7.7	−0 45 31.42	− 7.48	+47 4 34.0	9.999254
Jena (Univers.) Zentr. d. St.	164	+50 55 35.6	−0 46 20.22	− 7.61	+50 44 14.3	9.999131
Jena (Winkler)	174	+50 56 15.7	−0 46 20.73	− 7.61	+50 44 54.5	9.999132
Johannesburg	1786	−26 10 52.1	−1 52 17.9	−18.45	−26 1 42.0	9.999839
Johannesburg (Fil. d. Yale Observ.)	1741	−26 11 14	−1 52 7	−18.42	−26 2 4	9.999836
Kairo	—	+30 4 38.2	−2 5 8.80	−20.56	+29 54 35.8	9.999635
Kalocsa[4])	102	+46 31 42.4	−1 15 54.34	−12.47	+46 20 7.6	9.999239
Karlsruhe[5])	110	+49 0 29.6	−0 33 35.40	− 5.52	+48 49 0.4	9.999177
Kasan (Univers.) . . .	79	+55 47 24.3	−3 16 29.03	−32.28	+55 36 36.6	9.999007
Kasan (Engelhardt) . .	98	+55 50 20.5	−3 15 15.74	−32.08	+55 39 33.2	9.999007
Kew	10	+51 28 6	+0 1 15.1	+ 0.21	+51 16 47.5	9.999108
Kiel Neuer Mer.-Kr. . . .	52	+54 20 27.6	−0 40 35.45	− 6.67	+54 9 27.9	9.999040
Kiel Alter Mer.-Kr. . . .	47	+54 20 28.5	−0 40 35.57	− 6.67	+54 9 28.8	9.999040
Kiew Mer.-Kr.	184	+50 27 11.8	−2 2 0.56	−20.04	+50 15 48.3	9.999145
Kodaikanal	2343	+10 13 50	−5 9 52.0	−50.94	+10 9 47.6	0.000114
Königsberg Reps. Mer.-Kr.[6]) .	22	+54 42 50.6	−1 21 58.98	−13.47	+54 31 53.8	9.999029
Konstanz[7])	420	+47 39 43.6	−0 36 42.01	− 6.03	+47 28 10.7	9.999232
Kopenhagen (Neue Sternw.)[8]) .	14	+55 41 12.6	−0 50 18.69	− 8.26	+55 30 24.0	9.999005
Kopenhagen (Urania-Sternw.) .	10	+55 41 19.2	−0 50 9.11	− 8.24	+55 30 30.6	9.999005
Krakau Mer.-Kr. . . .	221	+50 3 51.9	−1 19 50.28	−13.11	+49 52 26.7	9.999158
Kremsmünster Mer.-Kr.	384	+48 3 23.1	−0 56 31.58	− 9.28	+47 51 51.1	9.999219

[1]) Seit 1857, früher Seeberg. — [2]) 1909 nach Bergedorf verlegt. — [3]) Nizamiah Observatory. — [4]) Erzbischöfl. Haynaldsche Sternwarte. — [5]) 1896 nach Heidelberg verlegt. — [6]) Nach 1898, vor 1898 0ˢ01 westlich. — [7]) Privatsternwarte von E. Leiner. — [8]) Seit 1861 Nov. 11. Alte Sternwarte 20″3 südlich, 0ˢ03 westlich.

3-6

Koordinaten der Sternwarten

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich − östlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Kyoto (Astron. Inst.) . .	55	+35 1 37.1	−9 3 7.0	−89.22	+34 50 43.9	9.999525
Kyoto (Kwasan Observ.) .	220	+34 59 40.3	−9 3 10.24	−89.23	+34 48 47.4	9.999537
Landstuhl (Fauth) . . .	385	+49 24 42.5	−0 30 16.35	− 4.97	+49 13 14.7	9.999185
La Plata Mer.-Kr. Gautier	17	−34 54 30.3	+3 51 43.74	+38.07	−34 43 38.1	9.999525
Leiden (Neue Sternw.)[1] Mer.-Kr. .	6	+52 9 19.8	−0 17 56.15	− 2.94	+51 58 5.2	9.999090
Leipzig (Neue Sternw.)[2] Zentr. .	119	+51 20 5.9	−0 49 33.93	− 8.14	+51 8 46.7	9.999119
Lembang (Bosscha St.) .	1300	− 6 49 29.1	−7 10 27.81	−70.71	− 6 46 45.5	0.000068
Lemberg (Techn. Hochsch.) Pass. Instr.	340	+49 50 11.2	−1 36 3.40	−15.78	+49 38 45.0	9.999171
Leningrad (Petersburg) (Akad.) .	20	+59 56 29.7	−2 1 13.35	−19.91	+59 46 25.5	9.998907
Leningrad (Petersburg) (Univers.) .	4	+59 56 32.0	−2 1 11.3	−19.91	+59 46 27.8	9.998906
Lissabon (Tapada) . . .	94	+38 42 30.5	+0 36 44.68	+ 6.04	+38 31 12.0	9.999437
Lissabon (Mar. Sternw.) .	—	+38 42 17.6	+0 36 33.6	+ 6.01	+38 30 59.2	9.999431
Liverpool (Neue Sternw.)[3]	62	+53 24 4.8	+0 12 17.33	+ 2.02	+53 12 58.2	9.999063
Lourenço Marques . .	60	−25 58 5.5	−2 10 22.63	−21.42	−25 48 58.9	9.999725
Lübeck (Navig.-Sch.) . .	19	+53 51 31.1	−0 42 45.6	− 7.02	+53 40 27.8	9.999049
Lund Zentr. d. Sternw. . .	34	+55 41 51.6	−0 52 44.97	− 8.66	+55 31 3.1	9.999006
Lüttich Ougrée . . .	128	+50 37 6	−0 22 12	− 3.65	+50 25 43	9.999137
Lyon	299	+45 41 40.8	−0 19 8.5	− 3.14	+45 30 5.3	9.999274
Madison (Washburn Observ.)	292	+43 4 36.8	+5 57 37.90	+58.75	+42 53 2.9	9.999340
Madras	7	+13 4 8.0	−5 20 59.65	−52.73	+12 59 2.5	9.999926
Madrid Zentr. d. Sternw. .	656	+40 24 30.1	+0 14 45.09	+ 2.43	+40 13 3.7	9.999433
Mailand, Brera . . .	120	+45 27 59.2	−0 36 45.89	− 6.04	+45 16 23.6	9.999268
Manila	3	+14 35 25	−8 3 50	−79.48	+14 29 47	9.999908
Mannheim Zentr. d. Sternw.	98	+49 29 11.0	−0 33 50.42	− 5.56	+49 17 43.5	9.999164
Marburg	248	+50 48 46.9	−0 35 4.9	− 5.76	+50 37 25.0	9.999141
Mare Island Calif. . .	18	+38 5 55.8	+8 9 5.63	+80.35	+37 54 40.8	9.999447
Markree (Col. Cooper) . .	45	+54 10 31.7	+0 33 48.4	+ 5.56	+53 59 30.7	9.999043
Marseille (Neue Sternw.)[4] Mer.-Kr.	75	+43 18 19.1	−0 21 34.56	− 3.54	+43 6 44.8	9.999320
Melbourne	28	−37 49 53.4	−9 39 54.17	−95.26	−37 38 39.9	9.999454
Merate (Filiale v. Mailand, Brera) .	380	+45 41 54.1	−0 37 42.85	− 6.20	+45 30 18.6	9.999279
Meudon	162	+48 48 18	−0 8 55.5	− 1.46	+48 36 48	9.999185
Mexico	2277	+19 26 1.3	+6 36 26.71	+65.13	+19 18 45.9	9.999995
Middletown, Conn. . .	70	+41 33 18	+4 50 38.2	+47.74	+41 21 47.6	9.999364
Mizusawa	61	+39 8 3.4	−9 24 31.46	−92.74	+38 56 42.7	9.999424
Modena	63	+44 38 52.8	−0 43 42.8	− 7.18	+44 27 17.2	9.999285
Montreal	57	+45 30 20	+4 54 18.63	+48.35	+45 18 44.4	9.999263
Mt. Hamilton (Lick) Mer.-Kr. .	1283	+37 20 25.6	+8 6 34.86	+79.94	+37 9 15.2	9.999552
Mt. Wilson Calif. . .	1742	+34 12 59.5	+7 52 14.33	+77.57	+34 2 13.3	9.999659

[1]) Seit 1860. Alte Sternwarte 8″.0 nördlich, 0s.42 östlich. — [2]) Seit 1861. Alte Sternwarte 14″.2 nördlich, 4s.00 westlich. — [3]) Alte Sternwarte 44″.0 nördlich, 17s.1 östlich. — [4]) Seit 1866. Alte Sternwarte 30″.1 südlich, 6s.2 westlich; Seehöhe 29m.

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich − östlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Moskau Mer.-Kr. . . .	142	+55 45 19.5	−2 30 17.03	−24.69	+55 34 31.5	9.999012
Mundenheim[1]) . . .	—	+49 27 30	−0 33 44	− 5.54	+49 16 2	9.999158
München (West-Kuppel) .	529	+48 8 45.5	−0 46 26.02	− 7.63	+47 57 13.8	9.999227
Münster	75	+51 57 45.8	−0 30 29.66	− 5.01	+51 46 30.0	9.999100
Nashville (Vanderbilt Obs.)	174	+36 8 58.2	+5 47 12.81	+57.04	+35 57 56.1	9.999506
Natal	79	−29 50 46.6	−2 4 1.18	−20.37	−29 40 47.0	9.999645
Neapel (Capo di Monte) .	154	+40 51 45.7	−0 57 1.40	− 9.37	+40 40 17.6	9.999387
Neuchâtel Refraktor . .	488	+46 59 49.5	−0 27 49.77	− 4.57	+46 48 15.4	9.999254
New Haven (Neue Stw.)[2])	40	+41 19 22.3	+4 51 40.58	+47.92	+41 7 52.7	9.999368
New York (Rutherfurd) .	—	+40 43 48.5	+4 55 56.66	+48.62	+40 32 20.9	9.999380
New York (Columb. Obs.)	—	+40 45 23.1	+4 55 53.73	+48.61	+40 33 55.4	9.999379
Nikolajew Mer.-Kr. . .	55	+46 58 19.3	−2 7 53.98	−21.01	+46 46 45.1	9.999225
Nizza Kl. Mer.-Kr.[3]) . .	378	+43 43 16.9	−0 29 12.15	− 4.79	+43 31 42.0	9.999330
Northfield (Goodsell Obs.)	290	+44 27 41.4	+6 12 35.94	+61.21	+44 16 5.9	9.999305
Oakland Californ.[4]) .	99	+37 47	+8 8 48	+80.30	+37 35 47	9.999460
Odessa (Univ.-Stw.) Mer.-Kr.	55	+46 28 36.2	−2 3 2.05	−20.21	+46 17 1.3	9.999237
Odessa (Filiale Pulkowa) .	—	+46 28 36.0	−2 3 2.19	−20.21	+46 17 1.1	9.999234
Oslo (Christiania) Mer.-Kr..	25	+59 54 43.7	−0 42 53.51	− 7.04	+59 44 39.2	9.998908
Ottawa Mer.-Kr. . . .	85	+45 23 39.1	+5 2 51.98	+49.75	+45 12 3.5	9.999267
Oxford (Radcl. Obs.) . .	65	+51 45 33.9	+0 5 3.0	+ 0.83	+51 34 17.0	9.999104
Oxford (Univers.) . . .	64	+51 45 34.2	+0 5 0.4	+ 0.82	+51 34 17.3	9.999104
Oxford, Mississippi . .	140	+34 22 12.6	+5 58 7.18	+58.83	+34 11 25.1	9.999546
Padua	38	+45 24 1.2	−0 47 29.15	− 7.80	+45 12 25.6	9.999263
Palermo	72	+38 6 44.0	−0 53 25.87	− 8.78	+37 55 28.9	9.999451
Paris (Obs. nat.) Mer. Cassini	59	+48 50 11.2	−0 9 20.93	− 1.53	+48 38 41.5	9.999177
Paris (Montsouris) westl. Mer.	—	+48 49 18.0	−0 9 20.6	− 1.53	+48 37 48.2	9.999174
Peking	—	+39 54 23.0	−7 45 52.87	−76.53	+39 42 58.7	9.999401
Perth West-Austr. . .	60	−31 57 10.7	−7 43 21.62	−76.12	−31 46 46.9	9.999597
Petersburg (Leningrad) (Akademie) .	20	+59 56 29.7	−2 1 13.35	−19.91	+59 46 25.5	9.998907
Petersburg (Leningrad) (Univers.) .	4	+59 56 32.0	−2 1 11.3	−19.91	+59 46 27.8	9.998906
Philadelphia[5])	74	+39 58 2.1	+5 1 6.88	+49.47	+39 46 37.5	9.999404
Plonsk[6])	—	+52 37 40.0	−1 21 31.9	−13.39	+52 26 28.2	9.999078
Pola	32	+44 51 48.6	−0 55 23.07	− 9.10	+44 40 12.9	9.999277
Porto Alegre[7]) Mer.-Kr..	—	−30 1 51	+3 24 53.2	+33.66	−29 51 49	9.999636
Portsmouth	—	+50 48 3	+0 4 24.8	+ 0.73	+50 36 41	9.999124
Posen	85	+52 23 48.6	−1 7 30.60	−11.09	+52 12 35.4	9.999090

[1]) Dr. Max Mündler. — [2]) Yale University. Alte Sternwarte 45″.8 südlich, 1s.58 westlich. — [3]) Herr R. Bischofsheim. — [4]) Chabot Observatory. — [5]) Flower Obs. (Univ. of Pennsylvania). — [6]) Dr. Jedrzejewicz; 1898 nach Warschau verlegt. — [7]) Observatorio Regional do Rio Grande do Sul.

Koordinaten der Sternwarten

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich − östlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Potsdam (Astrophys. Obs.).	97	+52 22 56.0	− 0 52 15.86	− 8.58	+52 11 42.7	9.999091
Potsdam (Geod. Inst.) Turm	99	+52 22 54.8	− 0 52 16.11	− 8.58	+52 11 41.5	9.999091
Poughkeepsie[1] . . .	61	+41 41 18	+ 4 55 33.6	+48.56	+41 29 47	9.999360
Prag (Univ.-Stw.) Turm . .	197	+50 5 16.0	− 0 57 40.29	− 9.47	+49 53 50.9	9.999155
Prag (Safarik)	—	+50 4 24	− 0 57 48	− 9.49	+49 52 59	9.999142
Princeton N. J. (N.Stw.)[2]	75	+40 20 55.8	+ 4 58 39.44	+49.06	+40 9 29.7	9.999395
Providence[3]	171	+41 49 46.4	+ 4 45 37.64	+46.92	+41 38 15.2	9.999363
Pulkowa Zentr. d. Stw. .	75	+59 46 18.5	− 2 1 18.57	−19.93	+59 36 12.3	9.998914
Quebec Canada . . .	90	+46 47 59.2	+ 4 44 52.71	+46.80	+46 36 24.8	9.999231
Quito	2846	− 0 14 0	+ 5 13 58.20	+51.58	− 0 13 54	0.000194
Riga (Polytechnikum) Turm	—	+56 57 7	− 1 36 28.11	−15.84	+56 46 30	9.998974
Rio de Janeiro. . . .	63	−22 54 23.7	+ 2 52 41.52	+28.37	−22 46 6.0	9.999784
Rio de Janeiro (N. Stw.)	33	−22 53 41	+ 2 52 53.5	+28.40	−22 45 24	9.999782
Rom (Coll. Rom.) Mer.-Kr.	59	+41 53 53.6	− 0 49 55.36	− 8.19	+41 42 22.3	9.999354
Rom (Capitol) Mer.-Kr. . .	65	+41 53 33.2	− 0 49 56.34	− 8.20	+41 42 1.9	9.999355
Rom (Vatican) Mer.-Kr. .	100	+41 54 12.4	− 0 49 48.26	− 8.18	+41 42 41.1	9.999357
Rousdon	157	+50 42 38	+ 0 11 58.9	+ 1.96	+50 31 16	9.999137
Rugby	119	+52 22 30	+ 0 5 2.0	+ 0.83	+52 11 16.7	9.999093
St. Louis Missouri . .	—	+38 38 3.6	+ 6 0 49.15	+59.28	+38 26 45.5	9.999433
Saltsjöbaden (Stockholms Observator.)	55	+59 16 18	− 1 13 14	−12.03	+59 6 6	9.998924
San Fernando	30	+36 27 42.0	+ 0 24 49.30	+ 4.08	+36 16 37.7	9.999488
San Francisco[4] . . .	—	+37 47 28.0	+ 8 9 42.81	+80.45	+37 36 14.8	9.999453
Santiago de Chile (N. St.)	580	−33 33 44.2	+ 4 42 46.0	+46.44	−33 23 4.1	9.999595
Santiago de Chile (A. St.)	619	−33 26 25.4	+ 4 42 36.9	+46.42	−33 15 46.4	9.999600
Sétif	1120	+36 11 10	− 0 21 38.6	− 3.55	+36 0 7.7	9.999569
Simeïs	360	+44 24 11.1	− 2 15 58.1	−22.34	+44 12 35.6	9.999312
Sofia (Mil. Geogr. Jnst.). .	555	+42 41 51	− 1 33 19.87	−15.33	+42 30 18	9.999368
Sonneberg (Hoffmeister) .	405	+50 21 29.5	− 0 44 42.87	− 7.34	+50 10 5.5	9.999163
Sonneberg (Erbisbühl). .	640	+50 22 41.4	− 0 44 46.19	− 7.36	+50 11 17.5	9.999178
South Hadley	76	+42 15 18.2	+ 4 50 19	+47.69	+42 3 45.9	9.999346
Stará Dala[5]	113	+47 52 27.3	− 1 12 45.49	−11.95	+47 40 54.9	9.999206
Stockholm (Alte St.) M.-Kr.[6]	44	+59 20 32.7	− 1 12 13.97	−11.86	+59 10 21.4	9.998922
Stonyhurst	116	+53 50 40.0	+ 0 9 52.7	+ 1.62	+53 39 36.5	9.999056
Straßburg (N.St.). M.-Kr.[7]	144	+48 35 0.4	− 0 31 4.53	− 5.10	+48 23 29.9	9.999190
Sydney	44	−33 51 41.1	−10 4 49.54	−99.36	−33 40 58.2	9.999551
Tacubaya[8]	2311	+19 24 17.9	+ 6 36 46.71	+65.18	+19 17 3.0	9.999997
Tartu (Dorpat, Jurjew) Mer.-Kr.	67	+58 22 47.2	− 1 46 53.19	−17.56	+58 12 25.1	9.998946
Taschkent	479	+41 19 36.7	− 4 37 10.57	−45.53	+41 8 7.1	9.999398

[1]) Vassar College. — [2]) Alte Sternwarte 2″.0 nördlich, 1s94 östlich; 65m. — [3]) Seagrave. Ladd Observatory 35″ nördlich, 1s57 östlich. — [4]) Davidson Observatory. — [5]) Früher O-Gyalla. — [6]) Neue Sternwarte seit 1931 in Saltsjöbaden. — [7]) Seit Anfang 1881. — [8]) Seit März 1883, früher in Chapultepec.

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich — östlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Teramo (Cerulli)	398	+42 39 27	— 0 54 55.8	— 9.02	+42 27 54	9.999358
Tokio	59	+35 40 21.4	— 9 18 10.09	— 91.69	+35 29 23.0	9.999509
Toronto	116	+43 40 1.3	+ 5 17 34.67	+ 52.17	+43 28 26.5	9.999313
Tortosa (Ebro-Stw.) M.-Kr.	54	+40 49 14	— 0 1 58	— 0.32	+40 37 46	9.999382
Toulouse Mer.-Kr. . . .	195	+43 36 44.0	— 0 5 51.2	— 0.96	+43 25 9.3	9.999320
Triest	23	+45 38 45.4	— 0 55 2.90	— 9.04	+45 27 9.9	9.999256
Tsingtau (Met.-astr. Stat.).	—	+36 4 11.3	— 8 1 16.21	— 79.06	+35 53 9.8	9.999496
Tucson Arizona (Steward Obs.) .	757	+32 13 59.4	+ 7 23 47.68	+ 72.90	+32 3 32.6	9.999638
Turin Mer.-Kr.	276	+45 4 7.9	— 0 30 47.15	— 5.06	+44 52 32.2	9.999288
Turin (Pino Torinese) .	618	+45 2 16.3	— 0 31 5.95	— 5.11	+44 50 40.6	9.999312
Upsala (N. Stw.) Pass.-Instr.	21	+59 51 29.4	— 1 10 30.13	— 11.58	+59 41 24.2	9.998909
Urbana Jll.	236	+40 6 20.2	+ 5 52 53.90	+ 57.97	+39 54 55.1	9.999412
Utrecht.	12	+52 5 9.5	— 0 20 31.6	— 3.37	+51 53 54.4	9.999093
Valkenburg (Ignatius Coll.)	100	+50 52 29.3	— 0 23 19.91	— 3.83	+50 41 7.8	9.999129
Venedig	15	+45 26 10.5	— 0 49 22.12	— 8.11	+45 14 34.9	9.999261
Victoria B. C. (Dominion Obs.)	229	+48 31 15.7	+ 8 13 40.17	+ 81.18	+48 19 45.0	9.999197
Warschau[1]) Zentr. d. Stw.	121	+52 13 4.6	— 1 24 7.25	— 13.82	+52 1 50.3	9.999097
Warschau[2])	—	+52 13 10	— 1 24 4.8	— 13.81	+52 1 56	9.999088
Warschau (Techn. Hochsch.)	144	+52 13 21.0	— 1 24 2.4	— 13.81	+52 2 6.8	9.999098
Washington (Alte Stw.) .	31	+38 53 38.9	+ 5 8 12.13	+ 50.63	+38 42 19.4	9.999428
Washington (Neue Stw.) .	82	+38 55 14.0	+ 5 8 15.78	+ 50.64	+38 43 54.4	9.999431
Washington (Kath. Univ.)	—	+38 56 14.8	+ 5 8 0.0	+ 50.60	+38 44 55.1	9.999425
Wellington Transit Instr.[3])	127	—41 17 3.8	—11 39 4.27	—114.84	—41 5 34.3	9.999375
West Point N. Y. (N. Stw.)[4])	170	+41 23 22.1	+ 4 55 50.6	+ 48.60	+41 11 52.3	9.999375
Wien (Alte Sternw.) . . .	167	+48 12 35.5	— 1 5 31.61	— 10.76	+48 1 3.9	9.999201
Wien (Josephstadt)[5]) . . .	214	+48 12 53.8	— 1 5 25.17	— 10.74	+48 1 22.2	9.999204
Wien (Neue Sternw.) Zentr.	240	+48 13 55.3	— 1 5 21.35	— 10.73	+48 2 23.8	9.999205
Wien (Ottakring)[6]) . . .	285	+48 12 46.7	— 1 5 10.97	— 10.71	+48 1 15.1	9.999209
Wien (Mil. Geogr. Inst.) .	211	+48 12 40.5	— 1 5 26.24	— 10.75	+48 1 8.9	9.999203
Wien (Techn. Hochschule) .	198	+48 11 58.3	— 1 5 29.76	— 10.76	+48 0 26.7	9.999204
Wilhelmshaven Mer.-Kr.	9	+53 31 52.1	— 0 32 35.15	— 5.35	+53 20 46.4	9.999057
Williams-Bay Wisc.[7]) .	334	+42 34 12.6	+ 5 54 13.24	+ 58.19	+42 22 39.6	9.999356
Williamstown Mass. .	213	+42 42 49	+ 4 52 53.5	+ 48.12	+42 31 16	9.999344
Wilna Pass.-Instr. . . .	122	+54 40 59.1	— 1 41 8.76	— 16.61	+54 30 2.1	9.999036
Windsor N. S. W.[8]) . .	16	—33 36 30.8	—10 3 20.77	— 99.11	—33 25 50.2	9.999556
Wolfersdorf	279	+50 47 20.0	— 0 46 50.94	— 7.70	+50 35 58.0	9.999143
Zô-sè China	100	+31 5 47.6	— 8 4 44.75	— 79.63	+30 55 33.2	9.999619
Zürich Meridian-Kreis . .	468	+47 22 38.3	— 0 34 12.3	— 5.62	+47 11 4.8	9.999242

[1]) Universitäts-Sternwarte. — [2]) Dr. Jedrzejewicz; seit 1898, früher in Plonsk. — [3]) Dominion Observatory. — [4]) Seit 1883. Alte Sternwarte 9″ nördlich, $1^s.2$ östlich. — [5]) von Oppolzers Sternwarte. — [6]) v. Kuffner. — [7]) Yerkes Observatory. — [8]) J. Tebbutt. Neue Sternwarte, 0″.4 südlich von der alten.

Normalzeiten der wichtigeren Länder

a) An den Meridian von Greenwich angeschlossen

Normalzeit = Mittl. Ortszeit des Meridians	Bezeichnung	Staaten
östl. Gr. h m		
11 30	—	Neu Seeland
10 0	Ostaustralische Z.	Victoria, Neu Süd-Wales, Queensland, Tasmanien
9 30	—	Süd-Australien
9 0	—	Japan, Korea
8 0	Ostchinesische Küsten-Z.	Ostküste von China, West-Australien
7 0	Südchinesische Küsten-Z.	Südküste von China, Franz. Indochina
5 30	—	Indien, Ceylon
3 0	—	Europ. Rußland östl. von etwa 40° östl. Länge
2 30	—	Deutsch Ostafrika
2 0	Osteuropäische Z.	Finnland, Estland, Lettland, Europ. Rußland westl. von etwa 40° östl. Länge, Bulgarien, Rumänien, Griechenland, Türkei, Palästina, Ägypten, Süd-Afrika
1 0	Mitteleuropäische Z. (M. E. Z.)	Norwegen, Schweden, Dänemark, Deutschland, Österreich, Ungarn, Schweiz, Italien, Polen, Tchechoslovakei, Jugoslavien, Kamerun, Deutsch Südwest-Afrika
h m 0 0	Westeuropäische Z. (Greenwich Z.)	Belgien, Frankreich, Großbritannien und Irland, Luxemburg, Portugal, Spanien, Gibraltar. Algerien
westl. Gr. h m		
3 0	—	Ost-Brasilien
3 30	—	Uruguay
4 0	Atlantic St. Time	Mittel-Brasilien, Argentinien, Canada (Küste)
4 30	—	Venezuela
5 0	Eastern St. Time	Canada (Quebec, Ontario bis 82° 30′ westl.), Vereinigte Staaten (Ost-Zone), Chile, Panama, Peru, West-Brasilien, Columbien
6 0	Central St. Time	Zentral-Zone von Canada und von den Vereinigten Staaten, Ostmexico
7 0	Mountain St. Time	Gebirgszone von Canada und von den Vereinigten Staaten, Westmexico
8 0	Pacific St. Time	Vereinigte Staaten (Pacifische Küste), Britisch Columbien
10 30	—	Hawaii (Sandwich Inseln)

b) Nicht an den Meridian von Greenwich angeschlossen

Staaten	Meridian	Längendifferenz gegen Greenwich
Ecuador	Quito	5h 14m 6.7s W.
Niederlande	Amsterdam	0 19 32.1 O.

Besondere Erläuterungen zu den Angaben und zum Gebrauch des Jahrbuchs.

Das Jahrbuch gibt die Örter der *Wandelsterne* in geozentrischen und in heliozentrischen Koordinaten. Die Zeitpunkte, für die sie gelten, sind in Welt-Zeit ausgedrückt, wenn nicht ausdrücklich eine andere Zeit angegeben wird. **Welt-Zeit ist identisch mit Bürgerlicher Zeit Greenwich.** Der bürgerliche Tag beginnt um Mitternacht, die Welt-Zeit-Stunden sind von 0^h bis 24^h durchgezählt. Die Beziehung zu der bis zum Jahrgang 1924 (einschließlich) im Jahrbuch verwendeten Mittleren Zeit Greenwich besteht darin, daß der astronomische mittlere Tag erst am Mittag des bürgerlichen Tages, also 12^h nach dessen Anfang beginnt. Somit ist 1925 Jan. 1, 0^h Welt-Zeit gleich 1924 Dez. 31, 12^h Mittlere Zeit Greenwich.

Die Örter der *Fixsterne* sind gegeben als »Mittlere Sternörter«, bezogen auf das mittlere Äquinoktium des Jahresanfangs, und in Ephemeridenform als »Scheinbare Sternörter«, bezogen auf das instantane wahre Äquinoktium.

Zur Erläuterung ist im einzelnen folgendes zu bemerken:

Sonnenephemeride (S. 2—29 und 100—108).

Der erste Teil der Sonnenephemeride (S. 2—19) gibt auf den linken Seiten für 0^h Welt-Zeit an jedem Tage:

1) Die Zeitgleichung = Mittlere Zeit *minus* Wahre Zeit.

2) Die geozentrischen, äquatorialen Koordinaten α, δ des scheinbaren Sonnenorts, bezogen auf das jedesmalige wahre Äquinoktium, zugleich mit der ersten Differenzenreihe. Diese Angaben sind direkt mit den Beobachtungen vergleichbar. Die Nutationsglieder kurzer Periode sind, wie im Vorwort erwähnt, in den Koordinaten nicht enthalten.

3) Die halbe Durchgangsdauer (in Sternzeit) der Sonnenscheibe durch den Meridian.

4) Den geozentrischen Halbmesser der Sonnenscheibe, d. i. der Winkel, unter dem der Sonnenhalbmesser vom Erdmittelpunkt aus erscheint.

Die rechten Seiten geben:

1) Die Julianische Zeit, d. i. die Anzahl der seit Beginn der Julianischen Periode verflossenen mittleren Sonnentage.

2) Die Sternzeit für 0^h Welt-Zeit. In ihr sind, wie im Vorwort erwähnt, nur die langperiodischen Glieder der Nutation enthalten.

Um für einen anderen Erdort der westlichen Längendifferenz $\Delta\lambda$ (in Stunden) gegen Greenwich die Sternzeit in seiner mittleren Mitternacht zu erhalten, ist zu diesen Angaben hinzuzulegen: $9^s.8565\ \Delta\lambda$. Diese Werte finden sich unter der Überschrift: »Korr. der Sternzeit« im Verzeichnis der Sternwarten.

3) Die Nutation in Rektaszension getrennt nach langperiodischen und kurzperiodischen Gliedern.

4) Die geozentrischen ekliptikalen Koordinaten λ, β der Sonne, bezogen auf das mittlere Äquinoktium des Jahresanfangs, sowie log R, den Logarithmus der Entfernung R der Erde von der Sonne. Diese Angaben finden bei Bahnberechnungen u. dergl. Verwendung.

5) Die bürgerlichen Ortszeiten des Aufgangs und Untergangs der Sonne für einen Ort des Nullmeridians in $+50°$ Breite; sie sind mit der Horizontalrefraktion $34'$ berechnet und gelten für den oberen Rand der Sonne. Um daraus für einen beliebigen anderen Ort zwischen $+30°$ und $+60°$ geographischer Breite die entsprechenden Angaben zu erhalten, ist die Tabelle S. 330*, 331* zu benutzen.

Auf S. 20—28 folgen, bezogen auf das mittlere Äquinoktium des Jahresanfangs, die rechtwinkligen, geozentrischen, äquatorialen Sonnenkoordinaten für 0^h Welt-Zeit mit ihren ersten und zweiten Differenzen. Die gleichen Koordinaten, jedoch bezogen auf das Normaläquinoktium 1925.0, werden auf S. 100—108 gegeben.

Die Werte von X, Y, Z sind auf 6 Dezimalen gegeben. Die Ephemeriden bieten jedoch die Möglichkeit, die Sonnenkoordinaten auch auf 7 Dezimalen zu entnehmen. Zu diesem Zwecke füge man an die 6-stelligen Werte eine Null an und vereinige sie algebraisch mit den Werten von ΔX, ΔY, ΔZ. Ein ausführliches Beispiel hierfür ist im Jahrgang 1933, S. 362* gegeben.

Die gleichen Vorschriften gelten für die auf das Normaläquinoktium 1925.0 bezogenen Sonnenkoordinaten auf S. 100—108.

Am Fuß der Seite 28 finden sich die Zeiten für die Anfänge der Jahreszeiten und für die Erdnähe und Erdferne der Sonne.

Die Seite 29 enthält die Aberration, Parallaxe, mittlere Länge $L_\odot$ und mittlere Anomalie $M_\odot$ der Sonne im Intervall von je 10 Tagen.

Mondephemeride (S. 30—48).

Die Mondephemeride (S. 30—47) gibt auf den linken Seiten für 0^h Welt-Zeit:

1) Die scheinbare Rektaszension und Deklination des Mondmittelpunktes mit den ersten Differenzen.

2) Die Äquatorial-Horizontalparallaxe $p_☾$ des Mondes.

3) Den geozentrischen Mondhalbmesser $r_☾$, d. i. der Winkel, unter dem der Mondhalbmesser vom Erdmittelpunkt aus erscheint.

4) Die Länge und Breite des Mondes, abgekürzt auf 0°001.

Die rechten Seiten enthalten:

1) Für den oberen Durchgang des Mondes durch den Meridian von Greenwich die genäherten Angaben für die Rektaszension, Deklination und Parallaxe des Mondmittelpunktes, sowie die bürgerliche Greenwicher Zeit dieses Durchgangs, nebst den Änderungen für 1^h westlicher Längendifferenz.

2) Die bürgerlichen Ortszeiten des Aufgangs und Untergangs des Mondes für einen Ort des Nullmeridians in + 50° Breite nebst Änderung für 1^h westlicher Längendifferenz; sie sind mit der Horizontalrefraktion 34′ berechnet und gelten für den oberen Rand des Mondes. Um daraus für einen beliebigen anderen Ort zwischen +30° und +60° geographischer Breite die entsprechenden Angaben zu erhalten, ist die Tabelle S. 332*, 333* zu benutzen.

Seite 48 enthält die Zeitangaben für die Phasen und die Erdnähe und Erdferne des Mondes.

Ephemeriden der Großen Planeten (S. 49—99 und 109—112).

Die geozentrischen Örter der Planeten sind für Merkur, Venus, Mars, Jupiter, Saturn von Tag zu Tag, für Uranus und Neptun von 4 zu 4 Tagen für 0^h Welt-Zeit mit ihren ersten Differenzen gegeben, und zwar in scheinbaren, auf das momentane wahre Äquinoktium bezogenen Koordinaten. Die letzte Spalte gibt die bürgerliche Zeit (Greenwich) der oberen Kulmination in Greenwich.

Für die Reduktion und die Vergleichung der Planetenbeobachtungen mit der Ephemeride ist die Kenntnis der scheinbaren Halbmesser erforderlich. Man kann für dieselben in der Einheit der Entfernung annehmen:

für Merkur	Halbmesser	. . . . .	3.″34			
» Venus	»	. . . . .	8.78			
» Mars	»	. . . . .	4.68			
» Jupiter	»	(Äquatorial)	99.8,	(Polar)	92.″6	
» Saturn	»	(Äquatorial)	81.4,	(Polar)	73.4	
» Uranus	»	. . . . .	34.7			
» Neptun	»	. . . . .	45			

Die heliozentrischen Ephemeriden der Planeten (S. 109—112) geben den Log. des Radiusvector, die Länge, deren Reduktion auf die Bahn und die Breite bezogen auf das mittlere Äquinoktium 1925.0.

☊ und i stellen die Bahnlage für die Epoche 1925.0 und das Normaläquinoktium 1925.0 dar.

Die Genauigkeit und Ausführlichkeit dieser heliozentrischen Angaben sind ihrem Hauptzweck, zur Berechnung der speziellen Störungen zu dienen, angepaßt.

Die beigefügten Werte der Planetenmassen sind die den Tafeln von Newcomb und von Hill zugrunde liegenden. Für die Erde ist noch besonders zu erwähnen, daß die Masse von »Erde + Mond« gegeben ist, Radiusvector und heliozentrische Länge sich auf den Schwerpunkt des Systems »Erde + Mond« beziehen.

Mittlere Örter von 925 Fixsternen (S. 2*—25*).

Die mittleren Örter der 925 Fixsterne sind aus den Daten der Veröffentlichung Nr. 33 des *Königlichen Astronomischen Rechen-Instituts* mit den daselbst angegebenen Hilfsgrößen für Präzession und Eigenbewegung abgeleitet worden. Nur die mittleren Örter der 20 Polsterne sind durch numerische Integration berechnet.

Ein * vor dem Namen weist auf eine Anmerkung am Fuß der Seite hin.

Unter Gr. stehen die visuellen Größen, welche aus der »Revised Harvard Photometry« in »Harvard Annals, vol. 50« entnommen sind, sofern nichts Anderes bemerkt ist. Wo für einen Stern zwei Größen gegeben sind, beziehen sich diese auf die Komponenten eines Doppelsterns. Die in den Anmerkungen gegebenen Größen für Doppelsternkomponenten und für die Extrema der Veränderlichen sind dem »Henry Draper Catalogue« entnommen.

Die Spektren sind aus dem Draper Katalog übernommen worden. Zusammengesetzte Spektren sind durch + gekennzeichnet. In anderen Fällen beziehen sich, wo 2 Spektren gegeben sind, diese auf die Komponenten eines Doppelsterns.

Scheinbare Örter von 579 Fixsternen (S. 26*—235*).

Die scheinbaren Rektaszensionen und Deklinationen der Fixsterne sind für den Moment der oberen Kulmination im Meridian von Greenwich gegeben.

Die Ephemeriden der 555 Sterne mit Deklinationen kleiner als 80°, deren scheinbare Örter von 10 zu 10 Sterntagen gegeben sind, enthalten die kurzperiodischen Mondglieder der Nutation nicht. Das Datum des Tages, an welchem zwei Kulminationen stattfinden, ist in kleinem Druck vor der Rektaszensionsspalte angeführt.

Die jährliche Parallaxe ist bei folgenden Sternen berücksichtigt, bei denen sie 0″20 übersteigt und hinreichend verbürgt erscheint, nämlich:

Nr. 59	τ Ceti	mit 0″31	Nr. 538	α Centauri	mit 0″75
Nr. 127	ε Eridani	» 0.32	Nr. 745	α Aquilae	» 0.23
Nr. 257	α Can. maj.	» 0.38	Nr. 793	61 Cygni	» 0.30
Nr. 291	α Can. min.	» 0.33			

Von den im B. J. nicht mit Ephemeriden versehenen Sternen des N. F. K. besitzt noch Nr. 825, ε Indi, eine Parallaxe von 0″.25.

Die Ephemeriden der auf S. 2*—24* eingeklammerten Sterne findet man im Almanaque Nautico.

Es folgen die scheinbaren Örter von 20 Polsternen für jede obere Kulmination. Sie enthalten die kurzperiodischen Mondglieder nicht, jedoch sind deren Werte in besonderen Spalten gegeben.

Am Fuße der Ephemeriden ist der mittlere Ort eines jeden Sternes für den Anfang des Jahres und die Werte von sec δ und tg δ angegeben, welche bei der Reduktion der Meridianbeobachtungen nach der hierfür am zweckmäßigsten erscheinenden Besselschen Formel gebraucht werden. Ferner sind hier die Größen a, b, a', b' enthalten, mit deren Hilfe die Nutationsglieder kurzer Periode leicht berechnet werden können. Man erhält $A'a + B'b$ in Zeitsekunden, $A'a' + B'b'$ in Bogensekunden.

Auf den Seiten 226*—235* sind die scheinbaren, rechtwinkligen Koordinaten von vier polnahen Sternen gegeben. Sie beziehen sich auf ein Koordinatensystem, dessen positive x-Achse nach dem Frühlingspunkt und dessen positive y-Achse nach dem Punkt $\alpha = 6^h$, $\delta = 0°$ gerichtet ist. Der Zusammenhang zwischen x, y und α, δ ist gegeben durch die Beziehungen: $x = \cos\delta \cos\alpha$, $y = \cos\delta \sin\alpha$. Die Angaben gelten für 12^h Sternzeit Greenwich und enthalten die kurzperiodischen Mondglieder der Nutation nicht, deren Werte jedoch in der letzten Spalte einer jeden Seite unter der Überschrift »Kurzperiod. Mondgl.« gegeben sind.

Als Quellen für die Koordinaten und Eigenbewegungen dieser vier Sterne sind benutzt worden:

für BD + 89° 1: L. Courvoisier: Beobachtungen des Sterns BD 89° 1 am großen Meridiankreis der Berliner Sternwarte. Astron. Nachr. Bd. **200,** 243,

für BD + 89° 3: L. Courvoisier: Ephemeriden der Polsterne BD 89° 3 und BD 89° 37 für 1923. Astron. Nachr. Bd. **217,** 319,

für BD + 89° 37: L. Courvoisier: Neue Position und Eigenbewegung des Polsterns BD + 89° 37. Astron. Nachr. Bd. **230,** 71,

für CPD — 89° 38: Cape Annals Bd. **XI,** II, 244 für den Ort und eine briefliche Mitteilung für die Eigenbewegung.

Mit dem an diesen Stellen gegebenen Werten findet man folgende mittleren Örter für 1934.0:

Name	Gr.	x	Jährliche Veränd. 1934.5	Jährliche Eigenbew.	y	Jährliche Veränd. 1934.5	Jährliche Eigenbew.
	M	″	″	″	″	″	″
BD+89° 1	10.56	—159.38	—20.086	—0.024	+ 79.18	—0.046	—0.008
BD+89° 3	9.06	+ 41.26	—20.240	—0.003	+863.62	+0.001	—0.006
BD+89° 37	10.06	—941.71	—19.978	—0.011	—343.97	—0.198	+0.015
CPD—89° 38	9.5	—147.05	+20.140	+0.027	—307.50	—0.000	+0.031

Reduktionsgrößen (S. 236*—276*).

Auf die scheinbaren Örter der Sterne folgt S. 236* eine Zusammenstellung der Werte, mit welchen die Reduktionsgrößen der darauf folgenden Tafeln berechnet sind, und der Formeln für die Reduktion auf den scheinbaren Ort.

Die Größen zur »Reduktion auf den scheinbaren Ort« sind in ihrer *ersten* Form: A, B, C, D, E; A', B' gegeben für 12^h Sternzeit des Meridians von Greenwich:

1) Auf S. 237* im Intervall von 10 Sterntagen.

Diese Tafel soll zur Berechnung von Sternephemeriden für die Epochen der Meridiandurchgänge dienen. Wegen ihrer logarithmischen Form und des großen Intervalls ist die Tafel zur Interpolation nicht geeignet. Man wird deshalb zweckmäßig die Interpolation erst nach der Summierung der einzelnen unmittelbar für die Epochen der Tafel berechneten Glieder vornehmen.

2) Auf S. 256*—264* für jeden Sterntag. Hier sind die numerischen Werte von A, B, C und D mit ihren Differenzen gegeben und die kurzperiodischen Mondglieder A' und B' mit angeführt.

Beiden Tafeln ist in einer Spalte die dem festen Sternzeitmoment jedesmal entsprechende Welt-Zeit vorangestellt; man wird hiernach auf jeden beliebigen Zeitpunkt, gegeben durch Datum, Sternzeit und Längendifferenz gegen Greenwich, übergehen können. Eine weitere Spalte gibt die seit Beginn des annus fictus verflossene Zeit in Bruchteilen des tropischen Jahres.

Die Reduktionsgrößen der *zweiten* Form: f, log g, G, log h, H, log i und i, sowie f', g' und G' sind S. 238*—255* von Tag zu Tag für 0^h Welt-Zeit gegeben.

Auch hier findet sich eine Spalte, t überschrieben, welche die seit Beginn des annus fictus verflossene Zeit in Bruchteilen des tropischen Jahres gibt. Ferner ist die Sternzeit Greenwich für 0^h Welt-Zeit gegeben.

Die Seiten mit ungerader Seitenzahl enthalten außer den schon erwähnten f', g', G' noch folgende Größen:

a) ψ = Allgemeine Präzession seit Jahresanfang.

b) $\Delta\psi$ = Langperiodische Glieder der Nutation in Länge.

c) $\Delta\psi'$ = Kurzperiodische Glieder der Nutation in Länge.

d) ε = Wahre Schiefe der Ekliptik.

e) $\Delta\varepsilon$ = Langperiodische Glieder der Nutation in Schiefe.

f) $\Delta\varepsilon'$ = Kurzperiodische Glieder der Nutation in Schiefe.

g) Die Koeffizienten j und k, welche in den Formeln auf S. 267* vorkommen.

Die mittlere Schiefe erhält man durch Subtraktion der Gesamtnutation $(\Delta\varepsilon + \Delta\varepsilon')$ von der wahren Schiefe.

Auf S. 265* findet sich eine Tafel der Hilfsgrößen zur Berechnung der Präzession von verschiedenen mittleren Äquinoktien bis 1934.0.

S. 266* enthält eine Tafel der Hilfsgrößen zur Übertragung der Polsternörter von verschiedenen mittleren Äquinoktien auf das mittlere Äquinoktium 1934.0.

Auf S. 267* sind die Formeln zusammengestellt, mit welchen bei Anschlußbeobachtungen die gemessenen Koordinatendifferenzen der scheinbaren Örter in solche der mittleren Örter für den Jahresanfang übergeführt werden. Die in diesen Formeln auftretenden Koeffizienten j und k sind auf den Seiten 239*—255* enthalten und haben die Bedeutung

$$j = 15\, g \text{ arc } 1'$$
$$k = 15\, h \text{ arc } 1',$$

wobei g und h die auf den Seiten 238*—254* gegebenen Reduktionsgrößen sind.

S. 268* enthält eine Zusammenstellung der von der Deklination abhängenden Faktoren der Formeln auf S. 267*.

S. 269* enthält eine Tafel der numerischen Werte der Funktionen Sinus und Cosinus für in Zeit ausgedrückte Winkel. Ihre Benutzung erleichtert die Berechnung der Formeln auf S. 267*.

Die Seite 270* enthält eine Tafel zur Übertragung von Rektaszensions- und Deklinationsdifferenzen vom mittleren Äquinoktium 1934.0 auf das Normaläquinoktium 1925.0. Man findet die auf das Normaläquinoktium 1925.0 bezogene Koordinatendifferenz, indem man an die auf das mittlere Äquinoktium 1934.0 bezogene Rektaszensionsdifferenz die differentielle Präzession Δp_α^s und an die Deklinationsdifferenz die differentielle Präzession $\Delta p_\delta''$ anbringt:

$$\Delta p_\alpha^s = a_1 \operatorname{tg} \delta \cdot \Delta\alpha^m + a_2 \frac{1}{15} \sec^2 \delta \cdot \Delta\delta',$$
$$\Delta p_\delta'' = d_1 \cdot \Delta\alpha^m.$$

Die Koeffizienten a_1, a_2 und d_1 sind in der Tafel auf S. 270* enthalten und haben die Bedeutung

$$a_1 = (n) \text{ arc } 1' \cos \alpha$$
$$a_2 = (n) \text{ arc } 1' \sin \alpha$$
$$d_1 = -15\ (n) \text{ arc } 1' \sin \alpha.$$

$\Delta\alpha^m$ und $\Delta\delta'$ sind die auf das mittlere Äquinoktium 1934.0 bezogenen Rektaszensions- und Deklinationsdifferenzen in Zeit- bez. Bogenminuten. Nach den angegebenen Formeln findet man die differentielle Präzession für Rektaszension in Zeitsekunden, diejenige für Deklination in Bogensekunden.

Die auf den Seiten 271*—272* gegebenen Größen f, log g und G dienen zur Übertragung der Örter von dem *mittleren* Normaläquinoktium 1925.0 auf das jedesmalige *wahre* Äquinoktium. Die Berücksichtigung des Einflusses der Variatio saecularis bei dieser Übertragung ist durch die Tafel auf S. 273* gegeben. Diese enthält in der ersten Reihe einer jeden Vertikalspalte die Werte von 0.405 × Var. saec. für die mit den Argumenten α und δ gegebenen Örter. Die an zweiter Stelle stehenden Zahlen einer jeden Vertikalspalte sind die einjährigen Änderungen von 0.405 × Var. saec. und sind, wenn erforderlich, bei der Entnahme des Einflusses der Variatio saecularis für den in Frage kommenden Bruchteil des Jahres zu berücksichtigen.

Eine Tafel zur Übertragung von Sternörtern vom mittleren Äqui-

noktium 1934.0 auf das Normaläquinoktium 1925.0 befindet sich auf den Seiten 274*—276*.

Die hier tabulierten Größen sind gerechnet nach den Formeln:

$$A = (m) + \frac{\nu^2}{4} \sin 2a$$
$$A_1 = \nu \sin a$$
$$A_2 = \frac{\nu^2}{2} \sin 2a$$
$$D = \nu \cos a$$
$$D_1 = -\frac{\nu^2}{2} \sin^2 a,$$

wobei $\nu = \sin(n)$, $a = \alpha_{1934.0} + 90° - (N)$. Betreffs der Größen (m), (n) und $90° - (N)$ vgl. S. 266*.

Sonnenfinsternisse (S. 278*—283*).

Die bei den Sonnenfinsternissen gegebenen Besselschen Elemente dienen in der folgenden Weise zur Vorausberechnung der Phasenzeiten und der Positionswinkel der Kontakte:

Mit einer Ausgangszeit T (siehe weiter unten) entnimmt man der Elemententabelle die Werte:

x, y, log sin d, log cos d, μ, l ($l^{(a)}$ für äußere, $l^{(i)}$ für innere Berührung), log tang f ($f^{(a)}$ für äußere, $f^{(i}$ für innere Berührung), x' und y'.

Mit ihnen rechnet man das folgende Formelsystem durch:

$$(1) \begin{cases} \xi = c \cos\varphi \sin(\mu - \lambda) \\ \eta = s \sin\varphi \cos d - c \cos\varphi \sin d \cos(\mu - \lambda) \\ \zeta = s \sin\varphi \sin d + c \cos\varphi \cos d \cos(\mu - \lambda) \\ \xi' = [7.6398 - 10]\, c \cos\varphi \cos(\mu - \lambda) \\ \eta' = [7.6398 - 10]\, \xi \sin d, \end{cases}$$

worin φ die geographische Breite, λ die westliche Länge (von Greenwich) des Beobachtungsortes bezeichnen, s und c aus der Tafel auf S. 336* zu entnehmen sind.

Alsdann:

$$(2) \begin{cases} m \sin M = x - \xi \\ m \cos M = y - \eta \end{cases} m > 0 \qquad \begin{cases} n \sin N = x' - \xi' \\ n \cos N = y' - \eta' \end{cases} n > 0$$

Nun berechnet man aus:

$$(3)\ L = l - \zeta \operatorname{tang} f$$

$L^{(a)}$ mit $l^{(a)}$ und $f^{(a)}$, $L^{(i)}$ mit $l^{(i)}$ und $f^{(i)}$; dann aus:

$$(4)\ \sin\psi = \frac{m \sin(M - N)}{L}\ ^{1)}$$

---

[1]) Wird der Winkel ψ bei der ersten Näherungsrechnung imaginär, so rechne man τ unter der Annahme $\psi = 90°$ aus $\tau = -\frac{m \cos(M-N)}{n}$; bleibt ψ auch in der weiteren Rechnung imaginär, so deutet dies an, daß an dem betreffenden Orte keine Sonnenfinsternis stattfindet.

mit $L^{(a)}$ und $L^{(i)}$ je zwei Werte $\psi^{(a_1)}$, $\psi^{(a_2)}$ und $\psi^{(i_1)}$, $\psi^{(i_2)}$, von denen der eine zum Eintritt der Erde in den Halb- oder Kernschatten-Kegel, der andere zu ihrem Austritt aus ihm gehört. Diesen vier Werten $\psi^{(a_1)}$, $\psi^{(a_2)}$ und $\psi^{(i_1)}$, $\psi^{(i_2)}$ entsprechen vier Werte $\tau^{(a_1)}$, $\tau^{(a_2)}$ und $\tau^{(i_1)}$, $\tau^{(i_2)}$ (in Zeitminuten) nach

$$(5)\quad \tau = -\frac{m\cos(M-N)}{n} + \frac{L\cos\psi}{n},$$

um welche die Ausgangszeit T zu verbessern ist, um die Zeit der gesuchten Phase zu erhalten. Ist T die gesuchte Phasenzeit, so wird $\tau = 0$ werden. Man muß daher das Formelsystem (1) bis (5) mit steigenden Näherungen solange durchrechnen, bis dieser Fall eintritt, d. h. bis das Formelsystem sich schließt. Zu diesem Zweck beginnt man mit einem Näherungswert T_1, für den man, wenn kein besserer bekannt sein sollte, eine beliebige Zeit nahe der Mitte der Finsternis nehmen mag, und rechnet die erste genäherte Korrektion τ_1; dann wiederholt man die Rechnung mit $T_2 = T_1 + \tau_1$, dann mit $T_3 = T_2 + \tau_2 = T_1 + \tau_1 + \tau_2$ usf. bis $\tau_n = 0$ sich ergibt. T_n ist dann die gesuchte Welt-Zeit des Kontaktes, die durch Hinzufügung der Längendifferenz in mittlere Ortszeit zu verwandeln ist. Die Rechnung ist für jede Berührung gesondert durchzuführen.

Die Positionswinkel der einzelnen Phasen, in üblicher Weise vom Punkt größter Deklination nach Osten gezählt, folgen aus den Werten der letzten Näherung (Größen mit dem Index n) nach

$$P = N + \psi.$$

Will man den Winkelabstand Q vom Punkte der größten Höhe haben, so hat man von P noch den parallaktischen Winkel γ abzuziehen, der aus

$$\left.\begin{array}{l} p\sin\gamma = \xi \\ p\cos\gamma = \eta \end{array}\right\} p > 0\,,$$

folgt, also

$$Q = P - \gamma.$$

Um die Zeit der größten Phase, $T_{\max}$, zu erhalten, hat man die beiden Formelsysteme (1) und (2) mit einem Näherungswerte $\overline{T}_1$ durchzurechnen, daraus $\overline{T}_2 = \overline{T}_1 - \frac{m\cos(M-N)}{n}$ zu entnehmen und die Rechnung solange fortzusetzen, bis die Korrektion der Ausgangszeit 0 wird. Als Näherungswert $\overline{T}_1$ wählt man zweckmäßig das Mittel der beiden Werte von T_2 für die Berührungszeiten.

Die Größe der Verfinsterung i, in Teilen des Sonnendurchmessers ausgedrückt, ergibt sich dann aus:

$$i = \frac{L^{(a)} - m}{2\,L^{(a)} - 0.5450}$$

worin $L^{(a)}$ und m die zur Zeit $T_{\max}$ gehörigen Werte bedeuten.

Sternbedeckungen (S. 284*—290*).

Die Seiten 284*—287* enthalten die Elemente von Stern- und Planetenbedeckungen durch den Mond, welche in dem Gebiet zwischen den Meridianen 0^h und 2^h östliche Länge von Greenwich und den Breiten-

kreisen $+45°$ und $+55°$ sichtbar sind. Die Auswahl ist auf Sterne bis zur Größe $6^{m}.0$ beschränkt.

Mit den in der Zusammenstellung der Elemente gegebenen Werten geschieht die Berechnung der Berührungszeiten eines Sternes mit dem Mondrand für einen Ort mit den geographischen Koordinaten φ und λ (λ positiv, wenn der Beobachtungsort westlich von Greenwich liegt) auf folgende Weise:

Aus der auf den Seiten 284*—287* enthaltenen Welt-Zeit T der geozentrischen Konjunktion von Mond und Stern findet man einen ausreichenden Näherungswert $T+t$ der Welt-Zeit der topozentrischen Konjunktion durch Berechnung der Größen:

$$h_0 = H - \lambda$$

$$\xi_0 = c \cos\varphi \sin h_0 \quad (c \text{ und später } s \text{ aus der Tafel auf S. 336*})$$

$$\xi' = [9.4192 - 10]\; c \cos\varphi \cos \tfrac{4}{3} h_0$$

$$t = \frac{\xi_0}{x' - \xi'}$$

t ergibt sich in Stunden mittlerer Zeit. Das Vorzeichen entspricht dem von h_0.

Für die Zeit $T+t$ berechne man die folgenden Größen, in denen $t_0 = 1.0027\, t$ ist.

$$\xi = c \cos\varphi \sin (h_0 + t_0)$$

$$\eta = s \sin\varphi \cos\delta - c \cos\varphi \sin\delta \cos(h_0 + t_0) = \eta_1 - \eta_2$$

$$\xi' = [9.4192 - 10]\; c \cos\varphi \cos(h_0 + t_0)$$

$$\eta' = [9.4192 - 10]\; \xi \sin\delta$$

$$x = x'\, t$$

$$y = Y + y'\, t.$$

Aus den Beziehungen:

$$\left.\begin{aligned} m \sin M &= x - \xi \\ m \cos M &= y - \eta \end{aligned}\right\} m > 0$$

$$\left.\begin{aligned} n \sin N &= x' - \xi' \\ n \cos N &= y' - \eta' \end{aligned}\right\} n > 0$$

$$\sin\psi = [0.5646]\; m \sin (M - N),$$

ψ zwischen $+90°$ und $-90°$, berechne man

$$\tau = -\frac{[1.7782]\, m}{n} \cos(M - N) \mp \frac{[1.2135]}{n} \cos\psi$$

$$d\tau = \frac{[6.7591 - 10]\,\tau^2}{n \cos\psi} [\eta_2 \cos(N \mp \psi) - \xi \sin(N \mp \psi)],$$

wobei die oberen Vorzeichen für den Eintritt, die unteren für den Austritt gelten. Die eingeklammerten Zahlen bedeuten Logarithmen. τ und $d\tau$ ergeben sich in Zeitminuten. Werden die für den Eintritt geltenden Werte mit τ' und $d\tau'$ bezeichnet, die für den Austritt geltenden mit τ'' und $d\tau''$, so ist die Welt-Zeit des

$$\text{Eintritts} = T + t + \tau' + d\tau'$$

$$\text{Austritts} = T + t + \tau'' + d\tau''.$$

Als Kontrolle berechne man die Werte von x, y, ξ, η für die so gefundenen Berührungszeiten. Sind diese richtig, so muß die Beziehung erfüllt sein:

$$\sqrt{(x - \xi)^2 + (y - \eta)^2} = 0.2725.$$

Ist $m \sin(M - N) > 0.2725$, so tritt für den betreffenden Beobachtungsort keine Bedeckung des Sternes ein.

Die Positionswinkel des Sternes in bezug auf den Mondmittelpunkt für die Zeiten des Ein- und Austritts folgen aus

$$P_E = N - \psi - dP \text{ für den Eintritt,}$$
$$P_A = N + \psi + dP \pm 180° \text{ für den Austritt,}$$

wobei die Winkel $N - \psi$ und $N + \psi$ aus der Rechnung für $d\tau$ entnommen werden können, und dP in Graden ausgedrückt aus

$$dP = \frac{[7.3038 - 10]\,\tau^2}{\cos\psi}(\eta_2 \sin N + \xi \cos N)$$

folgt.

Auf den Seiten 288*—290* sind Angaben über die Sternbedeckungen enthalten, die in Berlin-Babelsberg, Königsberg und München sichtbar sind. Außer der genäherten Welt-Zeit des Ein- und Austrittes ist unter P der Positionswinkel des Sterns für die Zeiten der Berührung mit dem Mondrande angeführt.

Die Größen a und b dienen zur Berechnung der genäherten Ein- und Austrittszeiten für andere als die drei angeführten Orte. Sind λ_0 und φ_0 die geographischen Längen und Breiten von Berlin-Babelsberg, Königsberg oder München, λ und φ die Koordinaten irgendeines anderen Ortes innerhalb Deutschlands, so wird für diesen letzteren die Zeit der Berührung des Sterns mit dem Mondrande, wenn man z. B. von den für Berlin-Babelsberg geltenden Angaben ausgeht, gleich der Zeit der Berührung für Berlin-Babelsberg $+ a(\lambda - \lambda_0) + b(\varphi - \varphi_0)$, wobei $\lambda - \lambda_0$ und $\varphi - \varphi_0$ in Einheiten des Grades unter Mitnahme der Zehntelgrade zu verwenden sind, und die Korrektion $a(\lambda - \lambda_0) + b(\varphi - \varphi_0)$ sich in Zeitminuten ergibt.

Die Vorausberechnungen der Sternbedeckungen für Berlin-Babelsberg, Königsberg und München sind von den Herren T. Whitwell und W. A. Forster ausgeführt und von dem Nautical Almanac Office, London, zur Verfügung gestellt worden.

Mondbewegung und Lage des Mondäquators gegen den Erdäquator (S. 291*).

Auf S. 291* finden sich:

☊, Aufsteigender Knoten der Mondbahn auf der Ekliptik,
$L_☾$, Mittlere Länge des Mondes,
$M_☾$, Mittlere Anomalie des Mondes,
i, Neigung des Mondäquators gegen den Erdäquator,
☊′, Aufsteigender Knoten des Mondäquators auf dem Erdäquator,
Δ, Stück des Mondäquators zwischen Ekliptik und Erdäquator,

☋, der aufsteigende Knoten des Mondäquators auf der Ekliptik, ist gleich dem absteigenden Knoten der Mondbahn, also

$$☋ = ☊ \pm 180°.$$

Vom Jahrgang 1926 ab sind die Brownschen Mondtafeln verwendet. Die Größen i, Δ und Ω' berechnen sich aus:

$$\sin\frac{1}{2}(\Delta+\Omega')\cos\frac{1}{2}i=\cos\frac{1}{2}(\varepsilon-J)\sin\frac{1}{2}\mho$$

$$\cos\frac{1}{2}(\Delta+\Omega')\cos\frac{1}{2}i=\cos\frac{1}{2}(\varepsilon+J)\cos\frac{1}{2}\mho$$

$$\sin\frac{1}{2}(\Delta-\Omega')\sin\frac{1}{2}i=\sin\frac{1}{2}(\varepsilon-J)\sin\frac{1}{2}\mho$$

$$\cos\frac{1}{2}(\Delta-\Omega')\sin\frac{1}{2}i=\sin\frac{1}{2}(\varepsilon+J)\cos\frac{1}{2}\mho;$$

dabei ist J, die Neigung des Mondäquators gegen die Ekliptik, nach F. Hayn (Astr. Nachr. Bd. **199,** S. 263) zu $J = 1^\circ\, 32'\, 20''$ angenommen worden. Die Zahlen geben die Lage des mittleren Mondäquators (ohne physische Libration).

Die auf S. 291* gemachten Angaben über die Elemente der Mondbahn und des Mondäquators werden, teilweise in Verbindung mit den Größen $L_\odot$ und $M_\odot$ auf S. 29, zu verschiedenen Zwecken verwendet:

1) Als Argumente für die Berechnung der Reduktionsgrößen A, B, C, D, E, A', B'.

2) Bei Bestimmung der selenographischen Koordinaten von Punkten der Mondoberfläche (siehe darüber den folgenden Abschnitt).

3) Bei Berechnung der *optischen* und *physischen* Libration des Mondes.

a) Für die Berechnung der *optischen* Libration des Mondes sind alle nötigen Angaben in den Erläuterungen zu den Hilfstafeln unter Nr. 8 (S. 365*) gemacht.

b) Die Beträge der *physischen* Mondlibration in selenographischer Länge, der Neigung des Mondäquators und seinem aufsteigenden Knoten auf der Ekliptik τ, ρ, σ haben die Werte:

$$\tau = -\ 13''\sin M_{☾} + 65''\sin M_\odot + 26''\sin 2(L_{☾} - M_{☾} - \Omega)$$

$$\rho = -106''\cos M_{☾} + 34''\cos(2L_{☾} - M_{☾} - 2\Omega) - 11''\cos 2(L_{☾} - \Omega)$$

$$\sigma\sin J = -108''\sin M_{☾} + 34''\sin(2L_{☾} - M_{☾} - 2\Omega) - 11''\sin 2(L_{☾} - \Omega)$$

Diese Zahlenangaben beruhen auf der Annahme $f = 0.73$, worüber F. Hayn (Astr. Nachr. Bd. **199,** S. 264) einzusehen ist.

Ephemeride für den Mondkrater Mösting A.

(S. 292*—296*).

Die Ephemeride des Mondkraters Mösting A. dient zwei verschiedenen Zwecken: erstens zur genauen Bestimmung von Mondörtern am Himmel durch Beobachtung des Kraters, zweitens zur Bestimmung der selenographischen Koordinaten weiterer Punkte der Mondoberfläche durch deren mikrometrischen Anschluß an Mösting A.

Sie gilt für 0^h Welt-Zeit und enthält für die Tage, an welchen Mösting A. innerhalb der Beleuchtungsgrenze liegt, die Unterschiede $\alpha_{☾} - \alpha_k$ in Rektaszension und $\delta_{☾} - \delta_k$ in Deklination zwischen der Mond-

mitte und dem Krater, vom Erdmittelpunkt aus gesehen, sowie den Logarithmus des Sinus der Äquatorial-Horizontalparallaxe p_k des Kraters, welche von der des Mondes $p_☾$ zu unterscheiden ist, mit den zugehörigen Differenzen.

Zur Anwendung der Ephemeride auf Beobachtungen des Kraters interpoliere man $\alpha_☾ - \alpha_k$, $\delta_☾ - \delta_k$ und log sin p_k mit der Beobachtungszeit. Fügt man alsdann $\alpha_☾ - \alpha_k$ und $\delta_☾ - \delta_k$ zum geozentrischen Ort des Kraters (die Parallaxe wird mit p_k und δ_k, der Deklination des Kraters, berechnet), so hat man die geozentrische Rektaszension und Deklination des Mondes für die Beobachtungszeit.

Hat man einen Punkt der Mondoberfläche mikrometrisch an Mösting A. angeschlossen, so bestimme man zunächst die topozentrischen, d. h. mit Parallaxe behafteten Koordinatendifferenzen $\alpha'_☾ - \alpha'_k$ und $\delta'_☾ - \delta'_k$ zwischen Mondmittelpunkt und Mösting A. aus folgenden Identitäten:

$$\alpha'_☾ - \alpha'_k = \alpha_☾ - \alpha_k + (\alpha'_☾ - \alpha_☾) - (\alpha'_k - \alpha_k)$$
$$\delta'_☾ - \delta'_k = \delta_☾ - \delta_k + (\delta'_☾ - \delta_☾) - (\delta'_k - \delta_k).$$

Verbindet man die so erhaltenen topozentrischen Abstände zwischen der Mondmitte und Mösting A. mit den mikrometrischen Messungen zwischen Mösting A. und einem zweiten Krater, so erhält man die topozentrische Lage des letzteren gegen die Mondmitte und kann hieraus mit Hilfe von $\alpha'_☾$ und $\delta'_☾$ und den Angaben auf S. 291* die selenographische Länge und Breite des zweiten Kraters berechnen. Hierzu dienen die im folgenden angeführten Formeln.

Bezeichnet man mit α' und δ' die topozentrische AR. und Dekl. des an Mösting A. angeschlossenen Kraters, so hat man:

$$s \sin \pi_m = (\alpha' - \alpha'_☾) \cos \frac{1}{2} (\delta' + \delta'_☾)$$
$$s \cos \pi_m = \delta' - \delta'_☾$$
$$\pi = \pi_m - \frac{1}{2} (\alpha' - \alpha'_☾) \sin \frac{1}{2} (\delta' + \delta'_☾)$$
$$\sin (K + s) = \sin s \operatorname{cosec} h'.$$

h' ist der Abstand des Kraters vom Mondschwerpunkt, gesehen vom Beobachtungsort aus, der aus h, dem vom Erdmittelpunkt aus gesehenen Abstand, durch Anbringen der Parallaxe gewonnen wird. Ist die Entfernung des Kraters vom Mondschwerpunkt gänzlich unbekannt, so möge für h der aus Sternbedeckungen folgende Wert des Mondhalbmessers 15′ 32″.59 (nach J. Peters, Astr. Nachr. Bd. **138**, S. 147) eingesetzt werden.

$$\sin d = -\sin \delta'_☾ \cos K + \cos \delta'_☾ \sin K \cos \pi$$
$$\cos d \cos (a - \alpha'_☾) = -\cos \delta'_☾ \cos K - \sin \delta'_☾ \sin K \cos \pi$$
$$\cos d \sin (a - \alpha'_☾) = \sin K \sin \pi$$
$$\sin \beta = \sin d \cos i - \cos d \sin i \sin (a - ☊')$$
$$\cos \beta \sin \lambda' = \sin d \sin i + \cos d \cos i \sin (a - ☊')$$
$$\cos \beta \cos \lambda' = \cos d \cos (a - ☊')$$
$$\lambda = \lambda' - 180° - L_☾ - (\Delta - ☋).$$

Die so erhaltenen Werte von λ und β beziehen sich auf den mittleren (vom Einfluß der physischen Libration freien) Mondäquator; die Transformation auf den wahren erfolgt durch die Korrektionen:

$$d\lambda = +13'' \sin M_☾ - 65'' \sin M_\odot - 26'' \sin 2\,(L_☾ - M_☾ - \Omega)$$
$$+ \operatorname{tg}\beta\,[-106'' \cos(L_☾ - M_☾ - \Omega + \lambda)$$
$$+ 34'' \cos(L_☾ - M_☾ - \Omega - \lambda) - 11'' \cos(L_☾ - \Omega - \lambda)]$$
$$d\beta = +108'' \sin(L_☾ - M_☾ - \Omega + \lambda) + 34'' \sin(L_☾ - M_☾ - \Omega - \lambda)$$
$$- 11'' \sin(L_☾ - \Omega - \lambda)$$

Bringt man diese Korrektionen $d\lambda$ und $d\beta$ an λ und β an, so erhält man die selenographischen Koordinaten des Kraters:

$$\lambda_0 = \lambda + d\lambda, \qquad \beta_0 = \beta + d\beta$$

Der Berechnung der Ephemeride des Kraters Mösting A. liegen folgende von F. Hayn ermittelten Konstanten (Astr. Nachr. Bd. **199**, S. 263) zugrunde:

$$\lambda_0 = -5^\circ\ 10'\ 7'', \quad \beta_0 = -3^\circ\ 11'\ 2''$$
$$h = 15'\ 33''\!.4$$

Für die Reduktion auf den mittleren Mondäquator wurden die Werte angenommen:

$$d\lambda = -13'' \sin M_☾ + 65'' \sin M_\odot + 26'' \sin 2\,(L_☾ - M_☾ - \Omega)$$
$$d\beta = -108'' \sin(L_☾ - M_☾ - \Omega + \lambda_0) - 34'' \sin(L_☾ - M_☾ - \Omega - \lambda_0)$$
$$+ 11'' \sin(L_☾ - \Omega - \lambda_0),$$

so daß die auf den mittleren Mondäquator bezogenen selenographischen Koordinaten des Kraters Mösting A. sind:

$$\lambda = \lambda_0 + d\lambda, \qquad \beta = \beta_0 + d\beta.$$

Die Formeln zur Berechnung der Ephemeride siehe in den Erläuterungen zum Jahrbuch 1916.

Jupitertrabanten (S. 297*—298*).

Die Seiten 297* und 298* enthalten die Zeitangaben (in Welt-Zeit) für die Verfinsterungen der vier hellen Jupitertrabanten in dem Schattenkegel des Jupiter; Ein- und Austritte sind durch beigefügtes E. und A. unterschieden.

Saturnsring (S. 299*—300*, 303*).

Die Angaben für die scheinbare Größe des Saturn und für die Lage und Größe des Saturnsringes haben die folgende Bedeutung:

α Große Achse des Saturn.

β Kleine Achse des Saturn.

p_a Phase; positiv, wenn der Ostrand, negativ, wenn der Westrand verdunkelt ist.

a Große Achse der Ringellipse.

b Kleine Achse der Ringellipse; positiv, wenn die nördliche, negativ, wenn die südliche Fläche des Ringes sichtbar ist.

U' Heliozentrische Länge des Saturn, gezählt auf der Ringebene vom aufsteigenden Knoten des Ringes in der Ekliptik an.

B' Erhöhungswinkel der Sonne über der Ringebene vom Saturn aus gesehen; nördlich positiv, südlich negativ.

P' Winkel der kleinen Achse der Ringellipse mit dem durch den Saturnsmittelpunkt gehenden Längenkreise; östlich positiv, westlich negativ.

U Geozentrische Länge des Saturn, gezählt auf der Ringebene vom aufsteigenden Knoten des Ringes im Erdäquator an.

B Erhöhungswinkel der Erde über der Ringebene vom Saturn aus gesehen; nördlich positiv, südlich negativ.

P Winkel der kleinen Achse der Ringellipse mit dem durch den Saturnsmittelpunkt gehenden Stundenkreise; östlich positiv, westlich negativ.

N Aufsteigender Knoten der Ringebene im Erdäquator, gezählt vom Äquinoktium an.

J Neigung der Ringebene gegen den Erdäquator.

ω Entfernung der Ekliptik vom Erdäquator, gemessen auf der Ringebene.

Es liegen folgende Bestimmungen nach H. Struve zugrunde:

Durchmesser des Saturn in der Entfernung 9.53887

Äquatorial $17''.47$ Polar $15''.65$

Lage des Saturnsringes gegen die Ekliptik und das Äquinoktium von 1889.25

$$\Omega_1 = 167° \; 57'.0 \quad \text{und} \quad i_1 = 28° \; 5'.6;$$

Durchmesser des Ringes in der Entfernung 9.53887

$$2\,R = 39''.35$$

Saturnstrabanten (S. 301*—310*).

Die Berechnungen über die Saturnstrabanten sind mit den von H. Struve in:

I. Beobachtungen der Saturnstrabanten, 1. Abteilung, 1. Supplementheft zu den »*Observations de Poulkova*«;

II. *Publications de l'Observatoire Central Nicolas,* Série II, Vol. **XI** abgeleiteten, in Astr. Nachr. Bd. **162,** S. 325 u. ff. und von G. Struve in Veröff. Berlin-Babelsberg **VI.** 1 weiter verbesserten Elementen durchgeführt. Für die Halbachsen der 6 inneren Trabanten sind die auf Seite 239 der zweiten Abhandlung mittels der Saturnsmasse $= \frac{1}{3500}$ rechnerisch abgeleiteten Werte angenommen.

Die den Ephemeriden zugrunde liegenden Elemente sind:

MIMAS (II, Seite 195)

Epoche: 1889 April 0.0 Mittl. Zt. Grw.

$E_0 = 127^\circ\ 19'.0$

$n = 381^\circ.9945$

$\delta l = -44^\circ.243 \sin(116^\circ.46 + 5^\circ.075\, t)$
$\quad - 0^\circ.75 \sin 3\,(116^\circ.46 + 5^\circ.075\, t)$

$l_1 = E_0 + nt_d + \delta l$

$\Theta = 54^\circ.7 - 365^\circ.3\, t$

$\gamma = 1^\circ\ 36'.5$

$\Pi_1 = 107^\circ.2 + 365^\circ.3\, t$

$e = 0.0190$

$a = 26''.814$

ENCELADUS (II, Seite 183)

Epoche: 1889 April 0.0 Mittl. Zt. Grw.

$E_0 = 199^\circ\ 19'.8$

$n = 262^\circ.73199$

$\delta l = +11'.24 \sin(143^\circ + 92^\circ.4\, t)$
$\quad + 20'.0 \sin(75^\circ + 29^\circ.3\, t)$

$l_1 = E_0 + nt_d + \delta l$

$\Theta = 328^\circ - 152^\circ.7\, t$

$\gamma = 1'.4$

$\Pi_1 = 308^\circ.38 + 123^\circ.43\, t$

$e = 0.0046$

$a = 34''.401$

TETHYS (II, Seite 195)

Epoche: 1889 April 0.0 Mittl. Zt. Grw.

$E_0 = 284^\circ\ 31'.0$

$n = 190^\circ.69795$

$\delta l = +118'.90 \sin(116^\circ.46 + 5^\circ.075\, t)$
$\quad + 2'.02 \sin 3\,(116^\circ.46 + 5^\circ.075\, t)$

$l_1 = E_0 + nt_d + \delta l$

$\Theta = 110^\circ.55 - 72^\circ.5\, t$

$\gamma = 1^\circ\ 4'.36$

$e = 0.0000$

$a = 42''.586$

DIONE (II, Seite 183)

Epoche: 1889 April 0.0 Mittl. Zt. Grw.

$E_0 = 253^\circ\ 51'.4$

$n = 131^\circ.534955$

$\delta l = -1'.21 \sin(143^\circ + 92^\circ.4\, t)$
$\quad - 2'.13 \sin(75^\circ + 29^\circ.3\, t)$

$l_1 = E_0 + nt_d + \delta l$

$$\Theta = 276^\circ - 31^\circ\!.0\, t$$
$$\gamma = 4'\!.0$$
$$\Pi_1 = 165^\circ + 31^\circ\!.0\, t$$
$$e = 0.0020$$
$$a = 54''\!.543$$

RHEA (G. Struve, Berlin-Bbg. VI, 1, Seite 16)
Epoche: 1889 April 0.0 Mittl. Zt. Grw.

$$E_0 = 358^\circ\ 23'\!.8$$
$$n = 79^\circ\!.690087$$
$$E - E_0 = +\ 4'\!.95 \sin (343^\circ\!.4 - 10^\circ\!.1\, t)$$
$$l = E_0 + nt_d + (E - E_0)$$
$$(\Omega - \Omega_1) \sin i_1 = 20'\!.74 \sin (343^\circ\!.36 - 10^\circ\!.10 t) - 0'\!.38 + 1^\circ\!.00 \sin (48^\circ\!.5 - 0^\circ\!.50 t)$$
$$i - i_1 = 20'\!.74 \cos (343^\circ\!.36 - 10^\circ\!.10 t) - 2'\!.79 + 1'\!.00 \cos (48^\circ\!.5 - 0^\circ\!.50 t)$$
$$\Pi = 276^\circ\!.25 + 0^\circ\!.53\, t + 17^\circ\!.64 \sin [9^\circ\!.5\, (t - 1879.59)]$$
$$e = 0.00098 + 0.00030 \cos [9^\circ\!.5\, (t - 1879.59)]$$
$$a = 76''\!.170$$

Ω_1 und i_1 bezeichnen die Lage des Saturnsringes.

TITAN (II, Seite 172)
Epoche: 1890 Jan. 0.0 Mittl. Zt. Grw.

$$E_0 = 260^\circ\ 25'\!.1$$
$$n = 22^\circ\!.577009$$
$$E - E_0 = +\ 4'\!.05 \sin (47^\circ\!.8 - 0^\circ\!.51\, t)$$
$$l = E_0 + nt_d + (E - E_0)$$
$$\Omega = 167^\circ\ 51'\!.2 + 35'\!.84 \sin (47^\circ\!.8 - 0^\circ\!.506\, t) + 0'\!.837\, t$$
$$i = 27^\circ\ 28'\!.4 + 16'\!.88 \cos (47^\circ\!.8 - 0^\circ\!.506\, t)$$
$$\Pi = 276^\circ\ 15' + 31'\!.7\, t + 22'\!.0 (\sin 2g - \sin 2g_0)$$
$$e = 0.02886 + 0.000186 (\cos 2g_0 - \cos 2g)$$
$$g = \Pi - \Omega - 4^\circ\!.5$$
$$g_0 = g \text{ für } t = 0$$
$$a = 176''\!.578$$

HYPERION (II, Seite 290)
Epoche: 1890 Jan. 0.0 Mittl. Zt. Grw.

$$E_0 = 304^\circ\!.53$$
$$n = 16^\circ\!.919983$$
$$\delta l = 9^\circ\!.16 \sin (200^\circ\!.5 + 0^\circ\!.56206\, t_d)$$
$$l = E_0 + nt_d + \delta l$$

Äquinoktium 1890.0 Epoche 1890.0 + t

$$\Omega = 167^\circ\ 49'\!.7 + 42'\!.4 \sin (47^\circ\!.8 - 0^\circ\!.50 t) + 78'\!.1 \sin (121^\circ\!.7 - 2^\circ\!.0 t)$$
$$i = 27^\circ\ 20'\!.8 + 19'\!.6 \cos (47^\circ\!.8 - 0^\circ\!.50 t) + 36'\!.2 \cos (121^\circ\!.7 - 2^\circ\!.0 t)$$

Epoche und Äquinoktium: $1888.890 + t$

$$\Pi = 276^\circ\!.50 - 18^\circ\!.663\,t + 14^\circ\!.0 \sin(-0^\circ\!.84 + 19^\circ\!.191\,t) - 1^\circ\!.5 \sin(-1^\circ\!.68 + 38^\circ\!.382\,t)$$

$$e = 0.1043 + 0.0230 \cos(-0^\circ\!.84 + 19^\circ\!.191\,t) + \delta e$$

Epoche: 1890 Jan. 0.0 Mittl. Zt. Grw.

$$e\delta e = -0.00044 \cos(200^\circ\!.5 + 0^\circ\!.56206\,t_d)$$

$$a = 213''\!.92 + \delta a$$

$$\delta a = -0.00354\,a \cos(200^\circ\!.5 + 0^\circ\!.56206\,t_d).$$

JAPETUS (I, Seite 87; II, Seite 139)

Epoche: 1885 Sept. 1.0 Mittl. Zt. Grw.

$E_0 = 75^\circ\ 26'\!.4$

$n = 4^\circ\!.537997$

$l = E_0 + nt_d$

$\Omega = 142^\circ\ 12'\!.4 - 1'\!.48\,t$

$i = 18^\circ\ 28'\!.3 - 0'\!.54\,t$

$\Pi = 354^\circ\ 30' + 7'\!.9\,t$

$e = 0.02836 + 0.000015\,t$

$a = 514''\!.59$

Hierin bedeuten:

l_1, l = Mittlere Länge in der Bahn
n = Tropische mittlere tägliche Bewegung
δl = Libration
t_d = Anzahl der Tage seit der Anfangsepoche
t = Anzahl der Jahre seit der Anfangsepoche
Θ = Knoten auf dem Saturnsäquator
Ω = Knoten auf der Ekliptik
γ = Neigung der Trabantenbahn gegen den Saturnsäquator
i = Neigung der Trabantenbahn gegen die Ekliptik
Π_1, Π = Perisaturnium
e = Exzentrizität
a = Halbachse der Trabantenbahn in der mittleren Entfernung $(\Delta) = 9.53887$

l_1, Π_1 und Θ werden gezählt vom Äquinoktium aus in der Ekliptik, weiter im Saturnsäquator und dann erst in der Trabantenbahn, l und Π vom Äquinoktium aus in der Ekliptik und weiter in der Trabantenbahn.

Zunächst sind für die sechs inneren Trabanten auf den Seiten 301* bis 303* die Hilfsmittel gegeben, um in bequemer Weise ihre Positionen ableiten zu können. Sieht man hierbei von den Neigungen γ ab, so erhält man die rechtwinkligen Koordinaten x und y des Trabanten in bezug auf ein Achsenkreuz, dessen Anfangspunkt im Mittelpunkt des Saturn gelegen ist, dessen X-Achse parallel der großen Achse des Ringes verläuft, positiv, wenn östlich, negativ, wenn westlich vom Saturn, und dessen positive Y-Achse mit dem durch den Saturnsmittelpunkt gehenden Stundenkreise den Winkel P einschließt, aus den Gleichungen:

$$x = \frac{a\,(\Delta)}{\Delta}\,\frac{1}{1+\zeta}\,\frac{r}{a}\,\sin(u-U)$$

$$y = \frac{a\,(\Delta)}{\Delta}\,\frac{1}{1+\zeta}\,\frac{r}{a}\,\sin B \cos(u-U).$$

$(\Delta) = 9.53887$ bezeichnet den mittleren Wert der Entfernung Sonne—Saturn, Δ ist die Entfernung Erde—Saturn, $u = L + (v - M)$ ist die wahre Länge des Trabanten vom Erdäquator an gezählt.

$\log \frac{1}{1+\zeta}$ ist auf Seite 303* enthalten.

Ist genaueste Ortsbestimmung erforderlich, so darf man bei Mimas, Tethys und Rhea die Neigungen gegen den Saturnsäquator, da sie schon merklichere Werte annehmen, nicht mehr vernachlässigen; x und y ergeben sich dann aus:

$$x = \frac{a(\Delta)}{\Delta} \frac{1}{1+\zeta} \frac{r}{a} \sin(u - U)$$

$$y = \frac{a(\Delta)}{\Delta} \frac{1}{1+\zeta} \frac{r}{a} \sin B [\cos(u - U) + \sin\gamma \operatorname{cotg} B \sin(u - \vartheta)].$$

Die Werte von ϑ, der Länge des aufsteigenden Knotens der Trabantenbahn auf dem Saturnsäquator, gezählt vom Schnittpunkte des Saturnsäquators mit dem Erdäquator, finden sich auf Seite 303*; auch ist hier für Rhea γ, weil stärker mit der Zeit veränderlich, in Intervallen von 16 Tagen gegeben.

Will man aus x und y die Rektaszensions- und Deklinationsdifferenzen bestimmen, so dienen dazu die Gleichungen:

$$s \sin(p - P) = x$$

$$s \cos(p - P) = y$$

$$\Delta\alpha = \alpha_{tr} - \alpha_{pl} = \frac{1}{15} s \sin p \sec \delta_{tr}$$

$$\Delta\delta = \delta_{tr} - \delta_{pl} = s \cos p.$$

Auf den Seiten 304*—306* finden sich für die äußeren Trabanten Hyperion und Japetus, außer den Hilfsgrößen U, B und P, die genäherten Rektaszensions- und Deklinationsunterschiede gegen den Saturn in dem Sinne Trabant minus Planet.

Die aus den Angaben des Berliner Jahrbuchs ermittelten Trabantenörter sind auf das mittlere Äquinoktium der Epoche bezogen.

Zum Schluß enthalten die Seiten 307*—310* die Zeitangaben (in Welt-Zeit) für die östlichen Elongationen von Mimas, Enceladus, Tethys, Dione, Rhea, ferner für die östlichen und westlichen Elongationen ($u - U = \pm 90°$) und für die oberen und unteren Konjunktionen ($u - U = 0°, 180°$) von Titan, Hyperion und Japetus mit Saturn; diese Zeitangaben für die Elongationen und Konjunktionen sind bereits für Lichtzeit korrigiert, also ohne weiteres mit den Beobachtungen vergleichbar.

Konstellationen (S. 311*—312*).

In der Übersicht der Konstellationen des Jahres 1934 sind die hauptsächlichsten Planeten-Konstellationen gegeneinander und gegen Sonne und Mond, sowie die Angaben der Epochen, zu welchen sich

die Planeten in gewissen Hauptpunkten ihrer Bahn und ihres synodischen Laufes befinden, zusammengestellt. Die Bedeutung der hier verwendeten Zeichen siehe Seite VIII des Vorworts. — Die Konjunktionen der Planeten mit dem Mond und ihre gegenseitigen sind als Konjunktionen in AR. zu verstehen. Die Angaben über Konjunktion und Opposition der Planeten mit der Sonne entsprechen den Zeiten, zu denen der Längenunterschied zwischen Planet und Sonne 0° oder 180° ist.

Hilfstafeln (S. 313*—336*).

Es folgt eine Reihe von häufig gebrauchten Hilfstafeln.

1) Tafeln für Präzessionswerte (S. 313*—315*).

a) Präzession in Rektaszension und Deklination (Seite 313*)

$$p_\alpha = m + \tfrac{1}{15} n \sin\alpha \operatorname{tg}\delta$$
$$p_\delta = n \cos\alpha$$

b) Präzessionswerte m, n, ψ, π, Π und ε, die mittlere Schiefe der Ekliptik (Seite 313*).

Mit diesen Werten berechnet sich die Präzession für die Elemente einer Bahnebene im System der Ekliptik nach:

$$p_\Omega = \psi - \pi \operatorname{cotg} i \sin(\Pi - \Omega)$$
$$p_i = -\pi \cos(\Pi - \Omega)$$
$$p_\omega = \pi \operatorname{cosec} i \sin(\Pi - \Omega)$$

und im System des Äquators nach:

$$p_{\Omega'} = m - n \operatorname{cotg} i' \cos\Omega'$$
$$p_{i'} = -n \sin\Omega'$$
$$p_{\omega'} = n \cos\Omega' \operatorname{cosec} i'$$

c) Präzession in Länge und Breite (Seite 314*—315*).

$$p_\lambda = \psi + \pi \operatorname{tg}\beta \cos(\Pi - \lambda)$$
$$p_\beta = \pi \sin(\Pi - \lambda)$$

Den Tafeln a) und c) liegen die Präzessionswerte für 1925.0 zugrunde. Über die Bedeutung der Bezeichnungen und die Zahlenwerte vergleiche die Erläuterungen zum Jahrbuch für 1916.

2) Hilfstafeln zur Verwandlung von Mittlerer Zeit in Sternzeit (S. 316*, 318*) und von Sternzeit in Mittlere Zeit (S. 317*, 319*).

3) Eine Tafel zur Verwandlung von Stunden, Minuten und Sekunden in Dezimalteile des Tages und umgekehrt (S. 320*—321*).

4) Eine Tafel für die Ermittelung eines Datums in der Julianischen Periode (Seite 322*—326*). Die Tafel besteht aus zwei Teilen: Der erste Teil (S. 322*—323*) gibt in vierjährigen Schaltperioden für die Jahre 0 bis 2000 die Anzahl der am 0. Januar, 12^h Welt-Zeit, seit Anfang der Julianischen Periode verflossenen Tage. Als Ergänzung gibt die Hilfstafel am Fuß der Seite die Anzahl der am 0. jedes Monats, 12^h Welt-Zeit, seit Beginn der Schaltperiode verflossenen Tage. Man gehe bis zum 4. Oktober des Jahres 1582 mit dem Datum des Julia-

nischen, für spätere Jahre mit dem Datum des Gregorianischen Kalenders in die Tafel ein. Der zweite Teil (S. 324*—326*) gibt für die Jahre 1860—1979 unmittelbar die Anzahl der im Gregorianischen Kalender am 0. eines jeden Monats, 12^h Welt-Zeit, seit Beginn der Julianischen Periode verflossenen Tage.

5) Eine Tafel zur Verwandlung von Minuten und Sekunden in Dezimalteile des Grades und umgekehrt (S. 327*).

6) Tafel des halben Tagbogens (S. 328*—329*), berechnet mit der Horizontalrefraktion 34′.9 für geographische Breiten von + 30° bis + 60° und Deklinationen von —30° bis + 30°.

7) Reduktionstafeln für die Auf- und Untergangszeiten der Sonne und des Mondes (S. 330*—333*). Sie geben die Reduktion der für + 50° Breite gültigen Zeiten, wie sie in den Ephemeriden enthalten sind, auf geographische Breiten zwischen + 30° und + 60° und sind mit der Horizontalrefraktion 34′.9 für das Erscheinen oder Verschwinden des oberen Gestirnsrandes gerechnet.

8) Die Tafel zur Berechnung der optischen Mondlibration (S. 334*—335*) gibt mit dem Argument $\lambda - \Omega$ die Werte $\Delta\lambda$, a und B entsprechend den Gleichungen:

$$\Delta\lambda = \frac{1}{\text{arc } 1'} \text{tang}^2 \frac{1}{2} J \sin 2 (\lambda - \Omega)$$

$$a = -\cos (\lambda - \Omega) \sin J$$

$$\text{tang } B = -\sin (\lambda - \Omega) \text{ tang } J$$

J = Neigung des Mondäquators gegen die Ekliptik.

Ω = Länge des aufsteigenden Knotens der Mondbahn auf der Ekliptik (s. S. 291*).

λ, β = Länge und Breite des Mondmittelpunktes, berechnet für den Beobachtungsort.

Bezeichnen noch $L_☾$ die mittlere Länge des Mondes, l' und b' die optische Libration der Mondmitte in selenographischer Länge und Breite, so ist:

$$l' = \lambda - L_☾ + \Delta\lambda - a (B - \beta)$$

$$b' = B - \beta$$

Der Winkel C, welchen der Mondmeridian des Mittelpunktes der scheinbaren Mondscheibe mit dem Stundenkreise bildet, ergibt sich aus der Gleichung:

$$\sin C = -\sin i \frac{\cos (L_☾ + l' + \Delta - ☋)}{\cos \delta_☾} = -\sin i \frac{\cos (\alpha_☾ - \Omega')}{\cos b'},$$

worin $\alpha_☾$, $\delta_☾$ Rektaszension und Deklination des Mondmittelpunktes, gesehen vom Beobachtungsort aus, bezeichnen; die anderen vorkommenden Größen i, Δ, ☋ und Ω' haben schon auf S. 355* ihre Erklärung gefunden.

9) Eine Tafel der Hilfsgrößen s und c (S. 336*) zur Berechnung der geozentrischen Breite φ' und der geozentrischen Entfernung ρ eines

Erdortes, ausgedrückt in Einheiten der großen Halbachse des Erdellipsoids, aus der geographischen Breite φ nach den Formeln:

$$\varrho \sin \varphi' = s \sin \varphi$$
$$\varrho \cos \varphi' = c \cos \varphi$$

Darin haben s und c die Bedeutung:

$$s = \frac{1-e^2}{\sqrt{1 - e^2 \sin^2 \varphi}}, \quad c = \frac{1}{\sqrt{1 - e^2 \sin^2 \varphi}}, \quad e = \sqrt{2\alpha - \alpha^2}.$$

Gemäß den Beschlüssen der Pariser Ephemeridenkonferenz von 1911 ist dabei die Abplattung $\alpha = \frac{1}{297.0}$ angenommen.

Koordinaten der Sternwarten (S. 337*—343*).

Die Seiten 337*—343* enthalten die geographischen und geozentrischen Koordinaten der Sternwarten.

Die Seehöhen sind in allen Fällen angegeben, wo sie sich einigermaßen sicher ermitteln ließen.

Die geographischen Längen sind auf den Meridian von Greenwich bezogen und dem entsprechend ist die »Korrektion der Sternzeit« die Differenz: Orts-Sternzeit in mittlerer Mitternacht minus Greenwicher Sternzeit in mittlerer Mitternacht.

Die geozentrischen Koordinaten sind den Beschlüssen der Pariser Ephemeridenkonferenz vom Oktober 1911 gemäß unter Annahme der Abplattung 1 : 297.0 berechnet.

Bei Berechnung von log ϱ ist die Seehöhe berücksichtigt.

Normalzeiten der wichtigeren Länder (S. 344*).

Auf S. 344* sind die in den wichtigeren Ländern eingeführten Normalzeiten in zwei Gruppen zusammengestellt, je nachdem sie an den Meridian von Greenwich angeschlossen sind oder einen eigenen Landes-Meridian zugrunde legen.

Berichtigungen.

Jahrbuch 1932, S. 289* Okt. 19. Stern 107 B. Aurigae, Spalte P lies 253° anstatt 153°.

Jahrbuch 1933, S. 50 Febr. 28. Die Deklination ist $-1^\circ\,47'\,11''.0$ anstatt $-1^\circ\,47'\,16''.0$, und die dazu gehörigen Differenzen werden $50'\,41''.0$ und $49'\,43''.1$.

Jahrbuch 1934, S. 120* Stern 609) γ Herculis, Jan. 11. Die Rektaszension ist $60^{s}.157$ anstatt $60^{s}.153$, und die dazu gehörigen Differenzen sind 259 und 286.

S. 144* Stern 764) α Pavonis, Febr. 20. Die Rektaszension muß heißen $26^{s}.408$ anstatt $26^{s}.308$ und die vorhergehende Differenz 303 anstatt 203.

Alphabetisches Sachregister

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